Metro Employee Stamp Page

Fire Marshal General Comments: Permit# 2020-075059

Printed and Fire Marshal Stamped Plan Set Shall Be available at Job Site.

Provide Knox 3200 key box adjacent to the primary entrance per location requirements, additional boxes may be required (Sprinkler Riser Room).

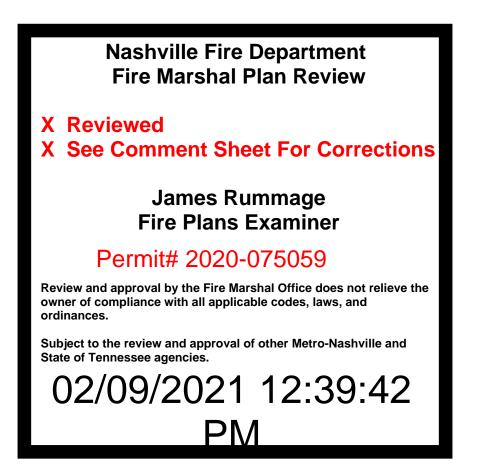
The sprinkler plans/notes set will be reviewed separately by the sprinkler review section of the Fire Marshal's office. The approval of the life safety plans set does not include approval of the sprinkler drawings/notes.

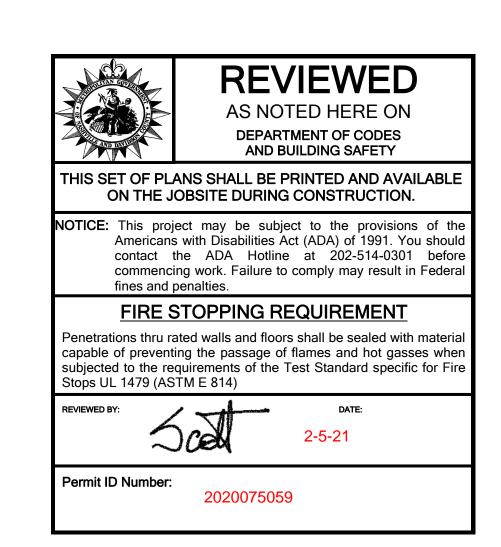
The fire alarm layout not reviewed. The fire alarm company shall submit shop drawings with all spaces labeled in compliance with 2012 IFC Section 907. The fire alarm system and/or additions shall be installed in compliance with the 2012 IFC and 2010 NFPA 72 codes, or newer.

The kitchen hood system(s) shall be installed and maintained according to, NFPA-96 Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations, latest edition.

The life safety features are subject to the Fire Inspectors approval and changes may be required in the field.

Fire Inspector: Danny Bratcher, 615-862-5290 02/09/2021 JR



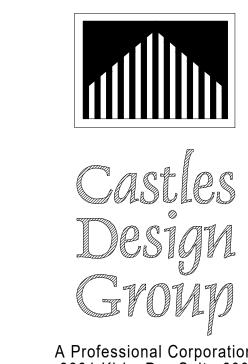


5055 OLD HICKORY BLVD HERMITAGE, TN 37076 PROTOTYPE - 20M

ISSUE FOR PERMIT 12.01.2020



OWNER	ARCHITECT	CIVIL ENGINEER	STRUCTURAL ENGINEER	MEP ENGINEER	LANDSCAPE ARCHITECT
WHATABURGER	CASTLES DESIGN GROUP INC.	KIMLEY-HORN	WALLACE ENGINEERING, INC	MPW ENGINEERING SOLUTIONS	KIMLEY-HORN
300 CONCORD PLAZA DRIVE	3801 KIRBY DRIVE, SUITE 600	6750 POPULAR AVWNUE, STE. 600	123 NORTH MARTIN LUTHER KING BLVD.	110 W. 7TH STREET, SUITE 600	6750 POPULAR AVWNUE, STE. 600
SAN ANTONIO, TEXAS 78216	HOUSTON, TX 77098	MEMPHIS, TENNESSEE 38138	TULSA, OKLAHOMA 74103	TULSA, OKLAJOMA 74119	MEMPHIS, TENNESSEE 38138





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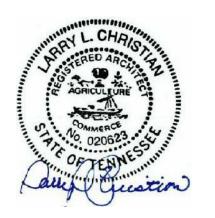


Project No.: 202007-302 Client Project No.: 2104760

COVER SHEET

Designed: WB Drawn: DA

A Professional Corporation 3801 Kirby Dr., Suite 600 Houston, Texas 77098 tel: 713 664 7974 713 664 9756



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Project No.: 202007-302 Client Project No.: 2104760

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Drawing Title:

PROJECT DATA

Date: 12/01/2020 Phase: Permit Designed: WB Drawing No.: Drawn: MDK

Checked: AMF

JURISDICTION	CITY	COUNTY		STATE
CODE ENFORCEMENT	NASHVILLE	DAVIDSON		TENNESSEE
ZONING	NASHVILLE	DAVIDSON		TENNESSEE
CODE	TITLE	EDITION	AMENDMENTS	REMARKS
BUILDING	INTERNATIONAL BUILDING CODE	2012	LOCAL	
FIRE	INTERNATIONAL FIRE CODE	2012	LOCAL	
MECHANICAL	INTERNATIONAL MECHANICAL CODE	2012	-	
ELECTRICAL	NATIONAL ELECTRICAL CODE	2011	LOCAL	
PLUMBING	INTERNATIONAL PLUMBING CODE	2012	-	
LANDSCAPE	LOCAL LANDSCAPE ORDINANCE	YES	-	
ENERGY	INTERNATIONAL ENERGY CONSERVATION CODE	2012	-	
SIGNAGE	LOCAL SIGNAGE ORDINANCE	YES	-	
ADA	2010 ADA	2012	-	
HEALTH	LOCAL HEALTH REQUIREMENTS	YES	_	

[USE AND OCCUPANC	IBC 2012	SECTION 303				
		USE GROUP	CONSTRUCTION TYPE	FIRE PROTECTION	MIXED USE	AREA (SF)	
		303	TABLE 601	903.2.1.2	SECTION 508	AREA (SF)	
	CL A CCITICATION	ASSEMBLY 2	VD	DEOLUDED	MAJOR OCCUPANCY A-2	3,746	
Ľ	CLASSIFICATION	ASSEMBLY 2	VB	REQUIRED	NONSEPARATED OCC.		
/	ACTUAL BUILDING AREA					3,746	
ı	MIXED USE	ASSEMBLY, STORAGE	, BUSINESS				

GENERAL BUILDING SUMMARY (FIRE SI	IBC 2012	TABLE 503		
BUILDING HEIGHT LIMITATIONS	STORIES	BUILDING AREA LIMITATIONS (PER FL	OOR)	AREA (SF)
ALLOWABLE HEIGHT LIMITATION	1 STORY, 40'	ALLOWABLE AREA LIMITATION		6,000
ALLOWABLE HEIGHT INCREASE (SPRINKLER SYS.)	1 STORY, 20'	ALLOWABLE AREA		200%
OTHER	N/A	ALLOWABLE AREA INCREASE (SEPER	ATION)	N/A
TOTAL ALLOWABLE HEIGHT	60'	TOTAL ALLOWABLE AREA		12,000
ACTUAL HEIGHT (IN STORIES)	1 STORY, 21'-0"	ACTUAL BUILDING AREA		3,746

FIRE RESISTANCE RATINGS			IBC 2012	TABLE 601	
BUILDING ELEMENT	RATING (HOURS)	DESIGN NO.	REMA	⊥ √RKS	
STRUCTURAL FRAME	0		TABL	E 601	
BEARING WALLS: EXTERIOR	0		TABL	E 601	
BEARING WALLS: INTERIOR	0		TABL	E 601	
NONBEARING WALLS: EXTERIOR	0		TABL	E 602	
NONBEARING WALLS: INTERIOR	0		TABL	E 601	
FLOOR CONSTRUCTION	0		-		
ROOF CONSTRUCTION	0		-		
CORRIDORS	0		TABLE	TABLE 1018.1	
OPEN EGRESS STAIRS	N/A		-		

FIRE RESISTANCE RAITIN	IBC 2012	TABLE 602			
MINIMUM FIRE RESISTANCE RA	ATING MINIMU	JM FIRE SEPARATION	ACTUAL FIR	E SEPARATION	I
0		X≥30	X≥	:30	
OCCUPANT LOAD				IBC 2012	TABLE 1004.1
OCCUPANCY	AREA (SF)	FACTOR	LOAD (OCCUPANTS)	REM	ARKS
STORAGE	708	300 SF	3		
BUSINESS	59	100 SF	1		
COMMERCIAL KITCHEN	886	200 SF	5		
FLEX SEATING	-	ACTUAL	35		
FIXED SEATING	-	24" PER PERSON	41	984 LINEAR INCHES	OF SEATING
WAITING	224	15 SF	15	224 SF	
RESTROOMS	202	0 NET			

2140

MEANS OF EGRESS			IBC 2012	CHAPTER 10		
EGRESS WIDTH	FACTOR (INCHES PER OCCUPANT)	REQUIRED (INCHES)	PROVIDED (INCHES)	REMARKS		
DOORS, RAMPS, COORIDORS	0.2	20	150	1005.1		
EXIT ACCESS REQUIREMENTS		MINIMUM UNITS	PROVIDED UNITS	REMARKS		
MINIMUM NUMBER OF EXITS		2	3	1015.1		
MINIMUM CORRIDOR WIDTH (INCHES)		44	44	1018.2		
STORE MINIMUM EXIT SEPARATION (F	EET)	32	41	1015.2.1		
MAXIMUM LENGTH OF EXIT ACCESS T	RAVEL (FEET)	250	<250	1016.2		
MAXIMUM DEAD ENDS: (FEET)		20	<20	1028.9.5		
MAXIMUM COMMON PATH OF EGRESS	TRAVEL (FEET) IN B OCCUPANCY	100	<75	1014.3		
MAXIMUM COMMON PATH OF EGRESS	STRAVEL (FEET) IN A OCCUPANCY	30	<30	1028.8		

INTERIOR FINISHES			IBC 2012	TABLE 803.
MAXIMUM FLAME SPREAD CLASS	WALLS/CEILINGS	REMARKS		
EXIT PASSAGEWAYS	В	TABLE 803.9		
COORIDORS	В	TABLE 803.9		
ROOMS AND ENCLOSED SPACES	С	TAB	LE 803.9	
EXIT PASSAGEWAYS COORIDORS	_	TAB	LE 803.9	

PLUMBING FIXTURE COUNT				IPC 20)12	TABLE 403.1
TOTAL STORE OCCUPANT LOAD	100	MEN	50	WOMEN	50	REMARKS
FIXTURE TYPE	FACTOR PER OCCUPANT	REQUIRED	PROVIDED	REQUIRED	PROVIDED	
WATER CLOSET	75	1	1	1	2	
URINALS	50% MAY BE URINAL	N/A	N/A	N/A	N/A	
LAVATORIES	200	1	1	1	1	
UNISEX TOILET (REQUIRED IF 6 OR MORE WC ARE REQUIRED)	N/A	0		0		
SERVICE SINKS	1 REQUIRED	1				
DRINKING FOUNTAINS	EXEMPT	SECTION 104.3				

- PERFORM WORK IN COMPLIANCE WITH ALL APPLICABLE ACCESSIBILITY, FEDERAL, STATE AND LOCAL CODES AND ORDINANCES. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOR CLARIFICATION. NOT USED.
- COORDINATE ALL TRADES PRIOR TO CONSTRUCTION TO ENSURE PROPER SEQUENCING OF THE WORK.

 VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING, FABRICATION AND CONSTRUCTION. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOR
- CLARIFICATION. DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT OF ANY DIMENSIONAL DISCREPANCIES FOR CLARIFICATION.
- DIMENSIONS UNLESS NOTED OTHERWISE: TO FACE OF WOOD STUD, CONCRETE OR MASONRY WORK; TO CENTERLINE OF COLUMNS OR OTHER GRID PPOINTS TO CENTERLINE FRAMES WINDOW AND DOOR OPENINGS; TO FINISH FACES OF CLEAR WIDTHS.
- VERIFY SIZE, CHARACTERISTICS, AND REQUIRED CLEARANCES OF ALL EQUIPMENT TO BE FURNISHED WITH MANUFACTURERS OR SUPPLIERS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOR CLARIFICATION.
- PROVIDE BLOCKING AND GROUNDS AS SPECIFIED FOR BUILT-IN AND SURFACE MOUNTED ITEMS PRIOR TO APPLYING WALL-SURFACING MATERIALS. LOCATIONS SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES.
- CONCEAL ALL PLUMBING, DUCTWORK, CONDUIT, WIRE, AND SIMILAR ITEMS UNLESS NOTED OTHERWISE.

LIFE SAFETY PLAN LEGEND 75 CP
PATH OF EXIT TRAVEL WITH DISTANCES FROM SELECTED REMOTE
LOCATIONS TO NEAREST EXIT. INCLUDES; TOTAL TRAVEL
DISTANCE (TD) AND COMMON PATH OF TRAVEL(CP). _ _ _ _ INDICATES START OF CP & TD INDICATES END OF CP _ _ _ _ INDICATES POINT OF EXIT 123B -EXIT LOCATION (DOOR NUMBER) ● F.E.1 10 LB 2A-10BC FIRE EXTINGUISHER ● F.E.2 10 LB K-GUARD FIRE EXTINGUISHER ĒΧ **EXIT SIGN**

WAITING AREA: 224 SF

STORAGE: 708 SF

BUSINESS: 59 SF

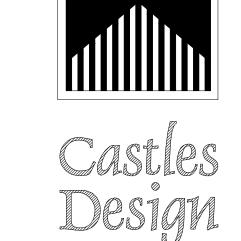
ASSEMBLY WITH FIXED SEATS: 1,140 SF

— — FIXED SEATING

FIRE RISER: 25 SF

RESTROOMS: 202 SF

KITCHENS, COMMERCIAL: 885 SF

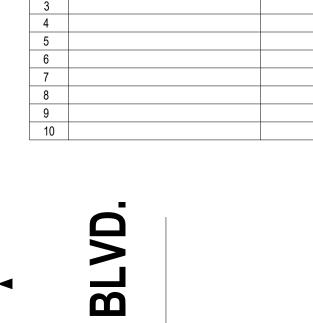


A Professional Corporation 3801 Kirby Dr., Suite 600 Houston, Texas 77098 tel: 713 664 7974 fax: 713 664 9756

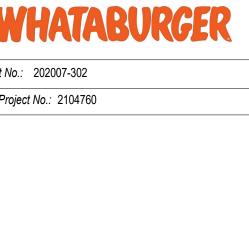


12.01.2020

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Drawing	Title:		
С	ODE ANAL SAFET	YSIS AN Y PLAN	

Designed: WB

LIFE SAFETY PLAN 3/16" = 1'-0"

NOT A CUSTOMER EXIT —

CANOPY ABOVE

AREA#3 104A

DRIVE-THRU AREA #2

SERVING AREA 103

—CP: 42'—

CANOPY ABOVE

CANOPY ABOVE ———

NOT A CUSTOMER EXIT

Drawn: MDK Checked: AMF

G1.0

CIVIL PLANS FOR



5055 OLD HICKORY BOULEVARD HERMITAGE, DAVIDSON COUNTY, TENNESSEE

BUILDING PERMIT SUBMITTAL: DECEMBER 1, 2020

THE SCOPE OF THIS PROJECT IS TO CONSTRUCT A PROTOTYPICAL WHATABURGER RESTAURANT AT 5055 OLD HICKORY BOULEVARD IN HERMITAGE, DAVIDSON COUNTY, TENNESSEE. THE OVERALL SITE IS APPROXIMATELY 1.52± ACRES IN SIZE. THE PROJECT WILL CONSIST OF THE DEMOLITION OF THE EXISTING BUILDING AND CONSTRUCTION OF THE NEW BUILDING ALONG WITH THE ASSOCIATED PARKING, UTILITY CONNECTIONS, AND GRADING AND DRAINAGE DESIGN.

THIS PROJECT WILL BE COVERED UNDER A NPDES CONSTRUCTION GENERAL PERMIT ISSUED BY THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION. NPDES TRACKING NUMBER: TNR244686 A SWPPP AND NOI HAVE BEEN SUBMITTED AND WILL BE APPROVED FOR THIS PROJECT BEFORE CONSTRUCTION BEGINS

- 1. ATTENTION IS DRAWN TO THE FACT THAT THE SCALE OF THESE DRAWINGS MAY HAVE BEEN DISTORTED DURING THE REPRODUCTION PROCESS. THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION FROM
- KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC. 2. IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITION, THE <u>CONTRACTOR</u> MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATIONS UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY
- SUGGEST THAT ALL OTHER REQUIREMENTS FOR THE LEGAL OR APPROPRIATE OPERATIONS FOR THIS ACTIVITY, WHICH MAY REQUIRE ADDITIONAL PERMITTING, HAVE BEEN MET. THE ONUS IS ON THE OWNER/BUILDER/DEVELOPER TO APPROPRIATE AND LEGAL MANNER. PLAN APPROVAL OR PERMIT ISSUANCE DOES NOT ABSOLVE THE APPLICANT FROM COMPLYING WITH ALL APPLICABLE LAWS, STANDARDS, OR OTHER PERMITS WHICH MAY BE REQUIRED FOR THIS

PROPERTY INFORMATION: SITE LOCATION: OWNER OF RECORD: OWNER ON AND ASSOCIATES, INC OWNER OF LINDSEY HEARON, P.E. KIMLEY-HORN AND ASSOCIATES, INC OWNER, STE 600 MEMPHIS, TN 38138 PHONE: OWNER, STE 600 MEMPHIS THOU OVERLAY SURGUS STELLS OWNER: OWNER, STE 102 APPALACHIAN LAND & LEASING CO., 601 MAIN ST, STE 102 HEASING CO., 601 MEASING EASING APPALACHIAN LAND & LEASING CO., 601 MEMPHIS LEASING CO., 601 MENT STE 102 HEASING CO., 601 MENT STE 102 HEASING CO., 601 MEASING CO., 6750 POLICE CINDS (CAS) MEMBER CO. 602 MEASING CO. 6750 POLICE CI	PUD INFORMATION PUD NAME PUD NUMBER TOTAL AREA (PUD BOUNDARY) ZONING	HICKORY VILLAGE COMMERCIAL PUD 69-83-G 21.56 AC COMMERCIAL PUD - BASE ZONING SCF
SITE LOCATION: OWNER OF RECORD: OWNER OF RECORD: OWNER OF RECORD: APPALACHIAN LAND & LEASING CO., 601 MAIN ST, STE 102 HAZARD, KY 41701 PLAN PREPARATION DATE: DESIGN PROFESSIONAL: LINDSEY HEARON, P.E. KIMLEY-HORN AND ASSOCIATES, INC 6750 POPLAR AVE, STE 600 MEMPHIS, TN 38138 PHONE: (901) 334-5323 CASE NUMBER CASE NUMBER ORDOSED IMPERVIOUS AREA PROPOSED IMPERVIOUS AREA PROPOSED PERVIOUS AREA PROPOSED FAR: ORDOSED FAR: MIN. REQUIRED PARKING ADA PARKING PROVIDED TOTAL PARKING PROVIDED TOTAL PARKING PROVIDED EXISTING USE PROPOSED USE SURROUNDING ZONING (NORTH) SURROUNDING ZONING (WEST) SURROUNDING ZONING (SOUTH) BUILDING DATA FLOOR AREA NUMBER OF STORIES 1 HEIGHT TBD		DININERON LET OB BIOL ZONNO COI
OWNER OF RECORD: APPALACHIAN LAND & LEASING CO., 601 MAIN ST, STE 102 HAZARD, KY 41701 PLAN PREPARATION DATE: DESIGN PROFESSIONAL:	PROPERTY INFORMATION:	FORE OLD LUCKODY DLVD
PLAN PREPARATION DATE: DESIGN PROFESSIONAL: DESIGN PROFESSIONAL DESIGN PRO	OWNER OF RECORD:	APPALACHIAN LAND & LEASING CO., LI 601 MAIN ST, STE 102
LOT COVERAGE: GROSS SITE AREA PROPOSED IMPERVIOUS AREA PROPOSED PERVIOUS AREA PROPOSED PERVIOUS AREA PROPOSED FAR: MIN. REQUIRED PARKING ADA PARKING PROVIDED TOTAL PARKING PROVIDED EXISTING USE PROPOSED USE SURROUNDING ZONING (NORTH) SURROUNDING ZONING (WEST) SURROUNDING ZONING (SOUTH) BUILDING DATA FLOOR AREA FLOOR AREA NUMBER OF STORIES G6,202± SF (1.52± AC) PRO90± A1,904± SF (0.96± AC) PRO90± A2,298± SF (0.56± AC) PRO90± A1,904± SF (0.96± AC) PRO90± A2,298± SF (0.56± AC) PRO90± A2,298± A2,2		10/28/2020 LINDSEY HEARON, P.E. KIMLEY-HORN AND ASSOCIATES, INC. 6750 POPLAR AVE, STE 600 MEMPHIS, TN 38138
GROSS SITE AREA GROSS SITE AREA PROPOSED IMPERVIOUS AREA PROPOSED PERVIOUS AREA PROPOSED PERVIOUS AREA PROPOSED FAR: 0.06 PARKING DATA: MIN. REQUIRED PARKING ADA PARKING PROVIDED TOTAL PARKING PROVIDED ZONING: ZONING: ZONING: EXISTING USE PROPOSED USE SURROUNDING ZONING (NORTH) SURROUNDING ZONING (WEST) SURROUNDING ZONING (EAST) SURROUNDING ZONING (SOUTH) BUILDING DATA FLOOR AREA NUMBER OF STORIES HEIGHT 66,202± SF (1.52± AC) 41,904± SF (0.96± AC) 24,298± SF (0.56± AC) 0.06 SCR (SHOPPING CENTER REGIONAL) WITH PUD OVER 48 STALLS SCR (SHOPPING CENTER REGIONAL) WITH PUD OVERLAY SCR WITH PUD OVERLAY	CASE NUMBER	
GROSS SITE AREA GROSS SITE AREA PROPOSED IMPERVIOUS AREA PROPOSED PERVIOUS AREA PROPOSED PERVIOUS AREA PROPOSED FAR: 0.06 PARKING DATA: MIN. REQUIRED PARKING ADA PARKING PROVIDED TOTAL PARKING PROVIDED ZONING: ZONING: ZONING EXISTING USE PROPOSED USE SURROUNDING ZONING (NORTH) SURROUNDING ZONING (WEST) SURROUNDING ZONING (EAST) SURROUNDING ZONING (SOUTH) BUILDING DATA FLOOR AREA NUMBER OF STORIES HEIGHT 66,202± SF (1.52± AC) 41,904± SF (0.96± AC) 24,298± SF (0.56± AC) 0.06 SCR (SHOPPING CENTER REGIONAL) WITH PUD OVER 48 STALLS SCR (SHOPPING CENTER REGIONAL) WITH PUD OVERLAY SCR WITH PUD OVERLAY SC	LOT COVERAGE:	
PROPOSED PERVIOUS AREA PROPOSED FAR: 24,298± SF (0.56± AC) 0.06 PARKING DATA: MIN. REQUIRED PARKING ADA PARKING PROVIDED TOTAL PARKING PROVIDED 2 STALLS TOTAL PARKING PROVIDED WITH PUD OVERLAY EXISTING USE PROPOSED USE SURROUNDING ZONING (NORTH) SURROUNDING ZONING (WEST) SURROUNDING ZONING (EAST) SURROUNDING ZONING (SOUTH) BUILDING DATA FLOOR AREA NUMBER OF STORIES 1 1 1 TBD		66,202± SF (1.52± AC)
PROPOSED FAR: PROPOSED FAR: 0.06 PARKING DATA: MIN. REQUIRED PARKING ADA PARKING PROVIDED TOTAL PARKING PROVIDED EXISTING USE PROPOSED USE SURROUNDING ZONING (NORTH) SURROUNDING ZONING (WEST) SURROUNDING ZONING (EAST) SURROUNDING ZONING (SOUTH) BUILDING DATA FLOOR AREA NUMBER OF STORIES 1 MIN. REQUIRED PARKING 28 STALLS SCR (SHOPPING CENTER REGIONAL) WITH PUD OVERLAY RESTAURANT, FULL-SERVICE RESTAURANT, FAST-FOOD SCR WITH PUD OVERLAY SCR	PROPOSED IMPERVIOUS AREA	41,904± SF (0.96± AC)
PARKING DATA: MIN. REQUIRED PARKING ADA PARKING PROVIDED TOTAL PARKING PROVIDED 2 STALLS 48 STALLS 2ONING: ZONING: ZONING: ZONING EXISTING USE PROPOSED USE SURROUNDING ZONING (NORTH) SURROUNDING ZONING (WEST) SURROUNDING ZONING (EAST) SURROUNDING ZONING (SOUTH) SURROUNDING ZONING (SOUTH) BUILDING DATA FLOOR AREA NUMBER OF STORIES 1 38 STALLS (1 PER 100 SF) 2 STALLS 48 STALLS SCR (SHOPPING CENTER REGIONAL) WITH PUD OVERLAY RESTAURANT, FAST-FOOD SCR WITH PUD OVERLAY SCR WITH PUD OVERLAY SCR WITH PUD OVERLAY SCR WITH PUD OVERLAY SURROUNDING ZONING (SOUTH) BUILDING DATA FLOOR AREA NUMBER OF STORIES 1 TBD		24,290± 31" (0.30± AC)
MIN. REQUIRED PARKING ADA PARKING PROVIDED TOTAL PARKING PROVIDED ZONING: ZONING: ZONING SCR (SHOPPING CENTER REGIONAL) WITH PUD OVERLAY EXISTING USE PROPOSED USE SURROUNDING ZONING (NORTH) SURROUNDING ZONING (WEST) SURROUNDING ZONING (EAST) SURROUNDING ZONING (SOUTH) SCR WITH PUD OVERLAY SURROUNDING ZONING (SOUTH) SCR WITH PUD OVERLAY SCR WITH PUD OVERLAY SURROUNDING ZONING (SOUTH) SCR WITH PUD OVERLAY SCR WITH PUD OVERLAY SURROUNDING ZONING (SOUTH) BUILDING DATA FLOOR AREA NUMBER OF STORIES 1 HEIGHT 1 BUILDING STORIES 1 TBD	PROPOSED FAR:	0.06
TOTAL PARKING PROVIDED 48 STALLS ZONING: ZONING: SCR (SHOPPING CENTER REGIONAL) WITH PUD OVERLAY EXISTING USE PROPOSED USE SURROUNDING ZONING (NORTH) SURROUNDING ZONING (WEST) SURROUNDING ZONING (WEST) SURROUNDING ZONING (EAST) SURROUNDING ZONING (SOUTH) BUILDING DATA FLOOR AREA NUMBER OF STORIES 1 HEIGHT SCR WITH PUD OVERLAY SCR WITH PUD	PARKING DATA:	
TOTAL PARKING PROVIDED 48 STALLS ZONING: ZONING: SCR (SHOPPING CENTER REGIONAL) WITH PUD OVERLAY EXISTING USE PROPOSED USE SURROUNDING ZONING (NORTH) SURROUNDING ZONING (WEST) SURROUNDING ZONING (WEST) SURROUNDING ZONING (EAST) SURROUNDING ZONING (SOUTH) BUILDING DATA FLOOR AREA NUMBER OF STORIES 1 HEIGHT SCR WITH PUD OVERLAY SCR WITH PUD	MIN. REQUIRED PARKING	38 STALLS (1 PER 100 SF)
ZONING: ZONING SCR (SHOPPING CENTER REGIONAL) WITH PUD OVERLAY EXISTING USE PROPOSED USE SURROUNDING ZONING (NORTH) SURROUNDING ZONING (WEST) SURROUNDING ZONING (WEST) SURROUNDING ZONING (EAST) SURROUNDING ZONING (SOUTH) BUILDING DATA FLOOR AREA NUMBER OF STORIES 1 HEIGHT SCR (SHOPPING CENTER REGIONAL) WITH PUD OVERLAY RESTAURANT, FAST-FOOD SCR WITH PUD OVERLAY SCR WITH PUD OVERLAY RS7.5 (SINGLE FAMILY RESIDENTIAL)		
ZONING SCR (SHOPPING CENTER REGIONAL) WITH PUD OVERLAY EXISTING USE PROPOSED USE SURROUNDING ZONING (NORTH) SURROUNDING ZONING (WEST) SURROUNDING ZONING (WEST) SURROUNDING ZONING (EAST) SURROUNDING ZONING (SOUTH) BUILDING DATA FLOOR AREA NUMBER OF STORIES 1 SCR (SHOPPING CENTER REGIONAL) WITH PUD OVERLAY SCR WITH PUD OVE	TOTAL PARKING PROVIDED	48 STALLS
WITH PUD OVERLAY EXISTING USE PROPOSED USE SURROUNDING ZONING (NORTH) SURROUNDING ZONING (WEST) SURROUNDING ZONING (WEST) SURROUNDING ZONING (EAST) SURROUNDING ZONING (SOUTH) BUILDING DATA FLOOR AREA NUMBER OF STORIES HEIGHT WITH PUD OVERLAY SCR WITH PUD OVER		OOD (OHODDING OFNITED DECIONAL)
EXISTING USE PROPOSED USE SURROUNDING ZONING (NORTH) SURROUNDING ZONING (WEST) SURROUNDING ZONING (WEST) SURROUNDING ZONING (EAST) SURROUNDING ZONING (SOUTH) BUILDING DATA FLOOR AREA NUMBER OF STORIES HEIGHT RESTAURANT, FULL-SERVICE RESTAURANT, FAST-FOOD SCR WITH PUD OVERLAY SCR WITH PU	ZUNING	
PROPOSED USE SURROUNDING ZONING (NORTH) SURROUNDING ZONING (WEST) SURROUNDING ZONING (EAST) SURROUNDING ZONING (EAST) SURROUNDING ZONING (SOUTH) BUILDING DATA FLOOR AREA NUMBER OF STORIES HEIGHT RESTAURANT, FAST-FOOD SCR WITH PUD OVERLAY SCR WITH PUD OVERLAY RS7.5 (SINGLE FAMILY RESIDENTIAL)	EVISTING LISE	
SURROUNDING ZONING (NORTH) SURROUNDING ZONING (WEST) SURROUNDING ZONING (EAST) SURROUNDING ZONING (SOUTH) BUILDING DATA FLOOR AREA NUMBER OF STORIES HEIGHT SCR WITH PUD OVERLAY SCR WITH PUD OVERLA	DDODOOED HOE	DECTAUDANT FACT FOOD
BUILDING DATA FLOOR AREA 3,751 SF NUMBER OF STORIES 1 HEIGHT TBD	SURROUNDING ZONING (NORTH)	SCR WITH PLID OVERLAY
BUILDING DATA FLOOR AREA 3,751 SF NUMBER OF STORIES 1 HEIGHT TBD	SURROUNDING ZONING (WEST)	SCR WITH PUD OVERI AY
BUILDING DATA FLOOR AREA 3,751 SF NUMBER OF STORIES 1 HEIGHT TBD	SURROUNDING ZONING (EAST)	SCR WITH PUD OVERLAY
BUILDING DATA FLOOR AREA 3,751 SF NUMBER OF STORIES 1 HEIGHT TBD	SURROUNDING ZONING (SOUTH)	RS7.5 (SINGLE FAMILY RESIDENTIAL)
FLOOR AREA 3,751 SF NUMBER OF STORIES 1 HEIGHT TBD	BUILDING DATA	
HEIGHT TBD		3,751 SF
	NUMBER OF STORIES	1
EDON'T OFTEN OUT OF BUILDING PLANTED AND FEET		
FRONT SETBACK (OLD HICKORY & JUAREZ) 15 FEET SIDE SETBACK 15 FEET	FRONT SETBACK (OLD HICKORY & JU	
	FLOOD INFORMATION	
FLOOD INFORMATION		

APRIL 5, 2017

BY SCALED MAP LOCATION AND GRAPHIC PLOTTING ONLY, THIS PROPERTY LIES

NATIONAL FLOOD INSURANCE ADMINISTRATION REPORT; COMMUNITY NO.

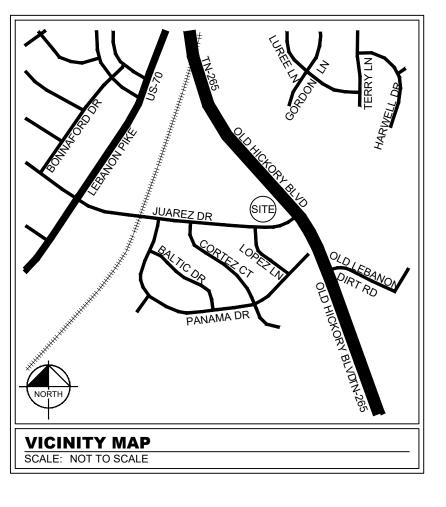
INSURANCE RATE MAP FOR THE COMMUNITY IN WHICH SAID PREMISES IS

SITUATED. SAID MAP DEFINES ZONE "X" UNDER "OTHER AREAS" AS AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

WITHIN FLOOD ZONE "X," AS DESIGNATED ON CURRENT FEDERAL

EMERGENCY MANAGEMENT AGENCY MAP NO. 47037C0278H, WITH AN EFFECTIVE DATE OF APRIL 5, 2017, WHICH MAKES UP A PART OF THE

470040, PANEL NO. 0278, SUFFIX H, WHICH IS THE CURRENT FLOOD



PROJECT DESIGN TEAM

DEVELOPER

WHATABURGER RESTAURANTS, LLC 300 CONCORD PLAZA SAN ANTONIO, TX 78216 PHONE: (210) 476-6181 CONTACT: CLINT SAAVEDRA, PMP

CIVIL ENGINEER

ELECTRIC

KIMLEY-HORN AND ASSOCIATES, INC. 6750 POPLAR AVENUE SUITE 600 MEMPHIS. TN 38138 PHONE: (901) 374-9109 CONTACT: LINDSEY HEARON, P.E.

ARCHITECT

CASTLES DESIGN GROUP, PC 3801 KIRBY DRIVE, SUITE 600 HOUSTON, TX 77098 PHONE: (713) 664-7974 CONTACT: ALEXANDER FAZZINO, AIA

PERMITTING / UTILITY CONTACTS

WATER

METRO WATER SERVICES DEVELOPMENT SERVICES 800 2ND AVENUE SOUTH NASHVILLE, TN 37210 PHONE: (615) 862-7225 CONTACT: HAL BALTHROP, P.E.

PLANNING DEPARTMENT

METROPOLITAN NASHVILLE / DAVIDSON DEPARTMENT OF CODES & BUILDING SAFETY COUNTY PLANNING DEPARTMENT 800 2ND AVENUE SOUTH NASHVILLE, TN 37210 PHONE: (615) 502-0830 CONTACT: AMELIA LEWIS, AICP

NASHVILLE ELECTRIC SERVICE 1214 CHURCH STREET NASHVILLE, TN 37246 PHONE: (615) 747-3293 CONTACT: CRAIG WOOSLEY

BUILDING DEPARTMENT

PLANS EXAMINATION DIVISION 800 2ND AVENUE SOUTH NASHVILLE, TN 37210 PHONE: (615) 862-6614 CONTACT: WADE HILL

PIEDMONT NATURAL GAS COMPANY 83 CENTURY BOULEVARD NASHVILLE, TN 37214 PHONE: (615) 405-6353 CONTACT: STEVE JARED

STORMWATER

METRO WATER SERVICES STORMWATER DEVELOPMENT REVIEW 800 2ND AVENUE SOUTH NASHVILLE, TN 37210 PHONE: (615) 862-6038 CONTACT: LOGAN BOWMAN

HEALTH DEPARTMENT

METRO PUBLIC HEALTH DEPARTMENT FOOD PROTECTION SERVICES 2500 CHARLOTTE AVENUE NASHVILLE, TN 37209 PHONE: (615) 340-5620 CONTACT: STEVE CROSIER

SHEET INDEX

SHEET TITLE

CIVIL COVER SHEET

TOPOGRAPHIC SURVEY (BY OTHERS)

DEMOLITION PLAN

SITE PLAN

INTERSECTION SIGHT DISTANCE EXHIBIT HORIZONTAL CONTROL PLAN CONCRETE JOINT LAYOUT PLAN

GRADING AND DRAINAGE PLAN

UTILITY PLAN

EROSION & SEDIMENT CONTROL PLAN PHASE

EROSION & SEDIMENT CONTROL PLAN PHASE 2

EROSION & SEDIMENT CONTROL DETAILS CONSTRUCTION DETAILS

CONSTRUCTION DETAILS

CONSTRUCTION DETAILS

CONSTRUCTION DETAILS

STORMWATER MANAGEMENT - CONVEYANCE

STORMWATER MANAGEMENT - PRE WATER QUALITY

STORMWATER MANAGEMENT - POST WATER QUALITY

STORMWATER MANAGEMENT - DETENTION

TREE PRESERVATION PLAN

LANDSCAPE PLAN SWM LANDSCAPE PLAN

LANDSCAPE DETAILS IRRIGATION PLAN

IRRIGATION DETAILS

SHEET NUMBER

G2-00

C2-00

C2-01

C3-00

C5-00

C6-03

D1-20

D1-21

D1-30

L0-00

L1-00

L1-01

L2-00

IR1-00

IR1-01

SURVEY YOUNG - HOBBS AND ASSOCIATES 1202 CROSSLAND AVENUE CLARKSVILLE, TN 37040 PHONE: (931) 645-2524 CONTACT: KENNETH BAU

TELEPHONE

PHONE: (605) 506-1492 CONTACT: KELLY KEAGLE

FIRE PREVENTION

FIRE PREVENTION OFFICE 63 HERMITAGE AVENUE NASHVILLE, TN 37210 PHONE: (615) 862-6242 CONTACT: MELANIE HUTCHISON

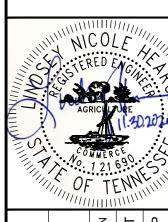
Know what's below

Call before you dig.

PERMIT SET

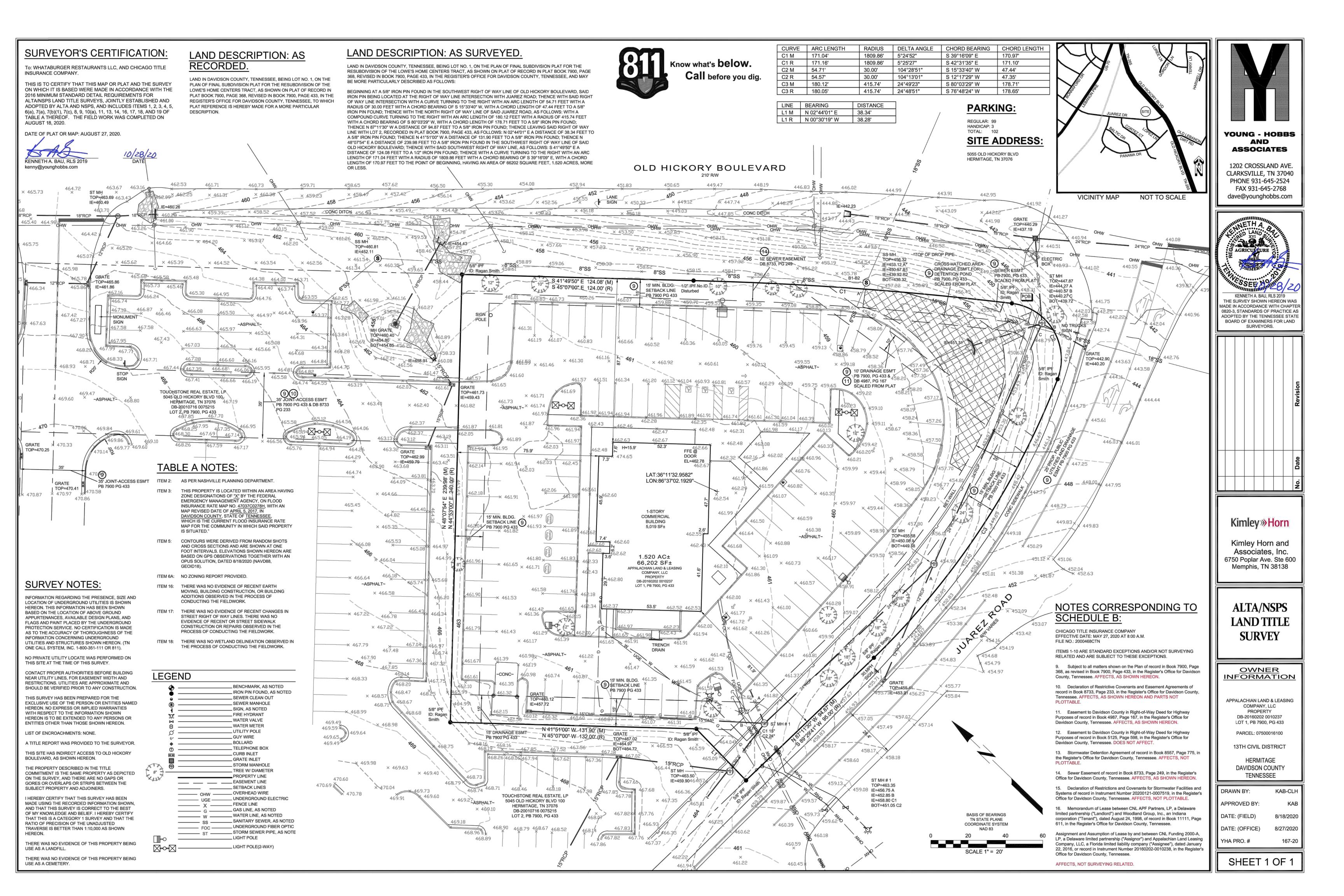
EFFECTIVE DATE:

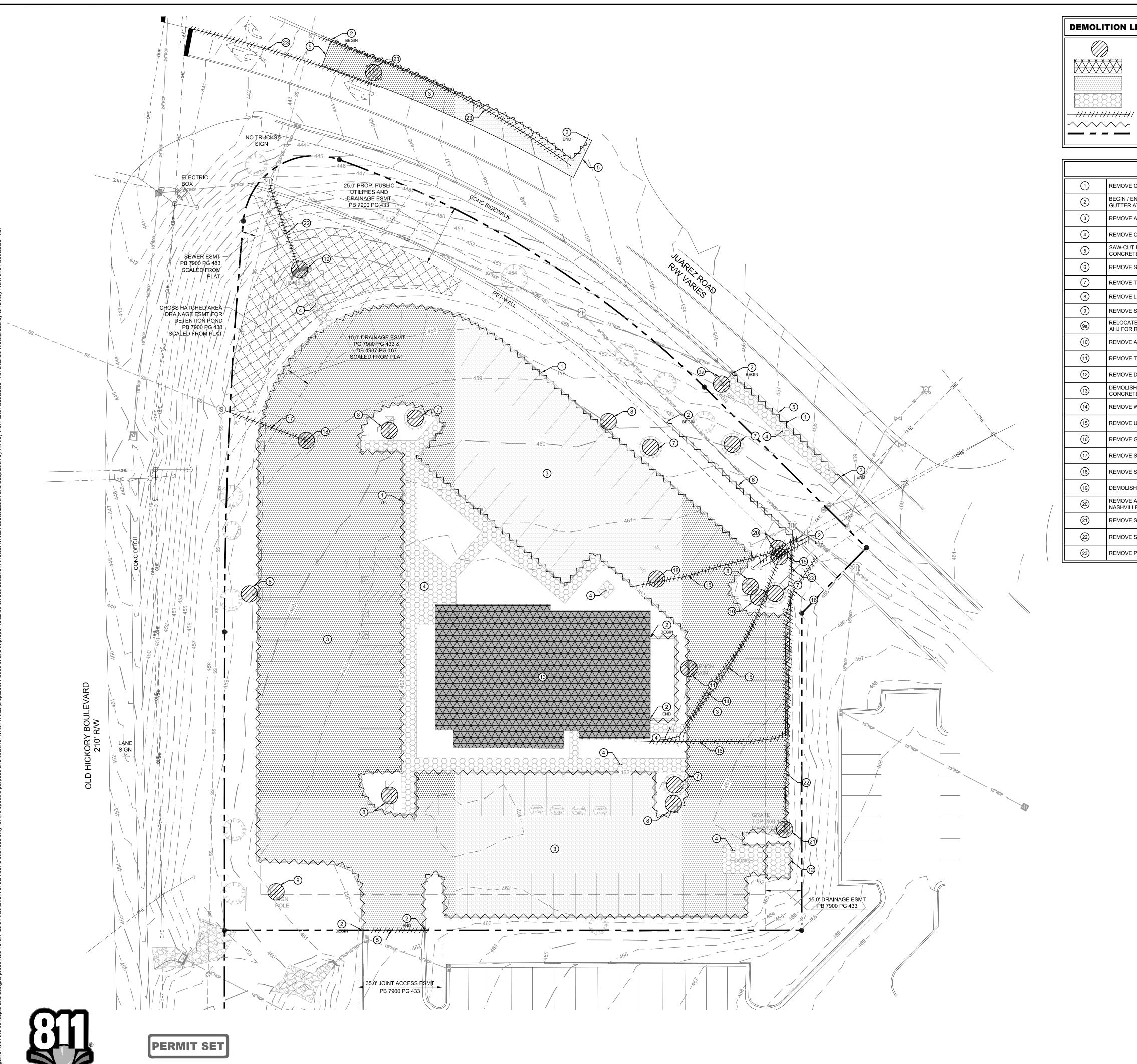
NOT FOR CONSTRUCTION



SH

SHEET NUMBER G1-00





NOT FOR

CONSTRUCTION

Know what's **below**.

Call before you dig.

DEMOLITION LEGEND

X X X X X X

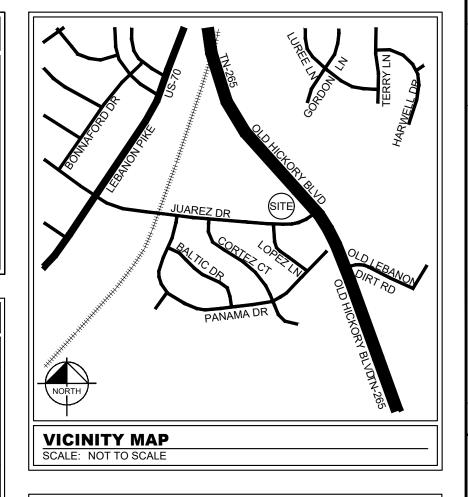
REMOVE EXISTING TREE OR STRUCTURE REMOVE EXISTING BUILDING, STRUCTURAL WALLS OR BUILDING PAD

REMOVE EXISTING ASPHALT PAVEMENT

REMOVE EXISTING CONCRETE PAVEMENT

REMOVE EXISTING UTILITY LINE OR PAVEMENT MARKING REMOVE EXISTING CURB OR SCREEN WALL PROPERTY LINE

	KEYNOTE INDEX
1	REMOVE CONCRETE CURB TO FULL DEPTH
2	BEGIN / END REMOVAL OF SCREEN WALL / CONCRETE CURB AND GUTTER AT THIS POINT
3	REMOVE ASPHALT PAVEMENT TO FULL DEPTH
4	REMOVE CONCRETE PAVEMENT TO FULL DEPTH
5	SAW-CUT FULL DEPTH EXISTING ASPHALT PAVEMENT SECTION / CONCRETE CURB ALONG THIS LINE AND REMOVE
6	REMOVE SCREEN WALL AND ALL APPURTENANCES
7	REMOVE TREE
8	REMOVE LIGHT POLE AND CONCRETE BASE
9	REMOVE SIGN POLE AND CONCRETE BASE
9a)	RELOCATE SPEED LIMIT SITE - CONTRACTOR TO COORDINATE WITH AHJ FOR RELOCATION
10	REMOVE AND RELOCATE FIRE HYDRANT
11)	REMOVE TRENCH DRAIN AND ASSOCIATED PIPING
(12)	REMOVE DUMPSTER ENCLOSURE
(13)	DEMOLISH BUILDING - INCLUDES FOUNDATION AND PERIMETER CONCRETE SIDEWALK
14)	REMOVE WATER LINE
(15)	REMOVE UNDERGROUND ELECTRIC LINE
16)	REMOVE GAS LINE
17)	REMOVE SANITARY SEWER LINE
18)	REMOVE SANITARY SEWER STRUCTURE AND ASSOCIATED PIPING
19	DEMOLISH HEADWALL - REFER TO GRADING AND DRAINAGE PLAN
20	REMOVE AND RELOCATE POWER POLE AND COORDINATE WITH NASHVILLE ELECTRIC SERVICES
21)	REMOVE STORM DRAINAGE INLET
22	REMOVE STORM DRAINAGE PIPING
(23)	REMOVE PAVEMENT MARKING



GENERAL DEMOLITION NOTES

- WITHIN THE SUBJECT PROPERTY, THE INTENT IS TO HAVE A CLEAN AND CLEAR SITE, FREE OF ALL EXISTING ITEMS NOTED TO BE REMOVED IN ORDER TO PERMIT THE CONSTRUCTION OF THE NEW PROJECT
- ALL SEDIMENT AND EROSION CONTROLS SHALL BE IN PLACE PRIOR TO START OF DEMOLITION AND CLEARING AND GRUBBING OPERATIONS. EROSION CONTROL MEASURES SHALL CONFORM TO THE STANDARDS OF THE TENNESSEE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (TDEC).
- REMOVE AND DISPOSE OF ANY SIDEWALKS, FENCES, STAIRS, WALLS, RETAINING WALLS, DEBRIS AND RUBBISH REQUIRING REMOVAL FROM THE WORK AREA IN AN APPROVED OFF SITE LANDFILL.
- THE CONTRACTOR SHALL SECURE ALL PERMITS FOR DEMOLITION AND DISPOSAL OF DEMOLITION MATERIAL TO BE REMOVED FROM THE SITE. THE CONTRACTOR SHALL POST BONDS AND PAY PERMIT FEES AS REQUIRED.
- THE CONTRACTOR SHALL PREPARE ALL DOCUMENTS AS REQUIRED PRIOR TO DEMOLITION. THE PLANS MAY NOT REFLECT ALL UTILITIES ON THE SITE OR SURROUNDING STREETS AND PROPERTIES. THE CONTRACTOR SHALL VERIFY LOCATIONS AND EXISTENCE OF UTILITY SERVICES
- PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CALL TENNESSEE ONE CALL AND HAVE UTILITY LOCATIONS COMPLETED PRIOR TO CONSTRUCTION. FOR ALL ITEMS NOTED TO BE REMOVED - REMOVE NOT ONLY THE ABOVE GROUND ELEMENTS, BUT ALL UNDERGROUND ELEMENTS
- AS WELL INCLUDING BUT NOT NECESSARILY LIMITED TO: FOUNDATIONS, GRAVEL FILLS, TREE ROOTS, OLD PIPES, ETC. BACK FILL ALL EXCAVATIONS RESULTING FROM THE DEMOLITION WORK TO MEET THE REQUIREMENTS FOR FILL OUTLINED IN THE GEOTECHNICAL REPORT.
- THE CONTRACTOR SHALL PROTECT ALL IRON PINS, MONUMENTS AND PROPERTY CORNERS DURING DEMOLITION. ANY CONTRACTOR DISTURBED PINS, MONUMENTS, ETC. SHALL BE RESET BY A LICENSED LAND SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.
- . THE CONTRACTOR SHALL RESTORE ANY UTILITY STRUCTURE, PIPES, PAVEMENT, CURBS, SIDEWALKS OR LANDSCAPED AREAS DISTURBED DURING DEMOLITION WHICH WERE NOT IDENTIFIED FOR DEMOLITION TO THEIR ORIGINAL CONDITION TO THE
- SATISFACTION OF THE OWNER. NO CONDUIT OR PIPE GREATER THAN OR EQUAL TO 4 INCH DIAMETER WILL BE ABANDONED IN PLACE. ALL CONDUIT LESS THAN 4 INCHES SHALL BE REMOVED OR FILLED WITH FLOWABLE FILL AND CAPPED.
- 12. THE CONTRACTOR SHALL CONTROL DUST LEAVING THE SITE DURING DEMOLITION AND CONSTRUCTION. ALL STREETS SHALL BE KEPT CLEAR AND FREE OF DIRT AND DEBRIS.
- 3. THE CONTRACTOR SHALL VERIFY EXISTING DATA AND REPORT ANY DISCREPANCIES TO THE PROJECT MANAGER. . THE CONTRACTOR SHALL PROTECT SURROUNDING BUILDING
- UTILITY SERVICES DURING CONSTRUCTION AND COORDINATE ALL SERVICE IMPACTS WITH OWNER.
- 5. THE CONTRACTOR SHALL EXERCISE CAUTION WITH ALL EXCAVATIONS AND BE PREPARED FOR SOFT DIG PROCEDURES WHERE UTILITY CONFLICTS EXIST.
- . THIS DEMOLITION PLAN IS INTENDED TO AID THE CONTRACTOR DURING THE BIDDING AND CONSTRUCTION PROCESS AND IS NOT INTENDED TO DEPICT EACH AND EVERY ELEMENT OF DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING THE DETAILED SCOPE OF DEMOLITION AND FOR THE DEMOLITION, REMOVAL, OR RELOCATION OF ITEMS IN CONFLICT WITH THE PROPOSED CONSTRUCTION.

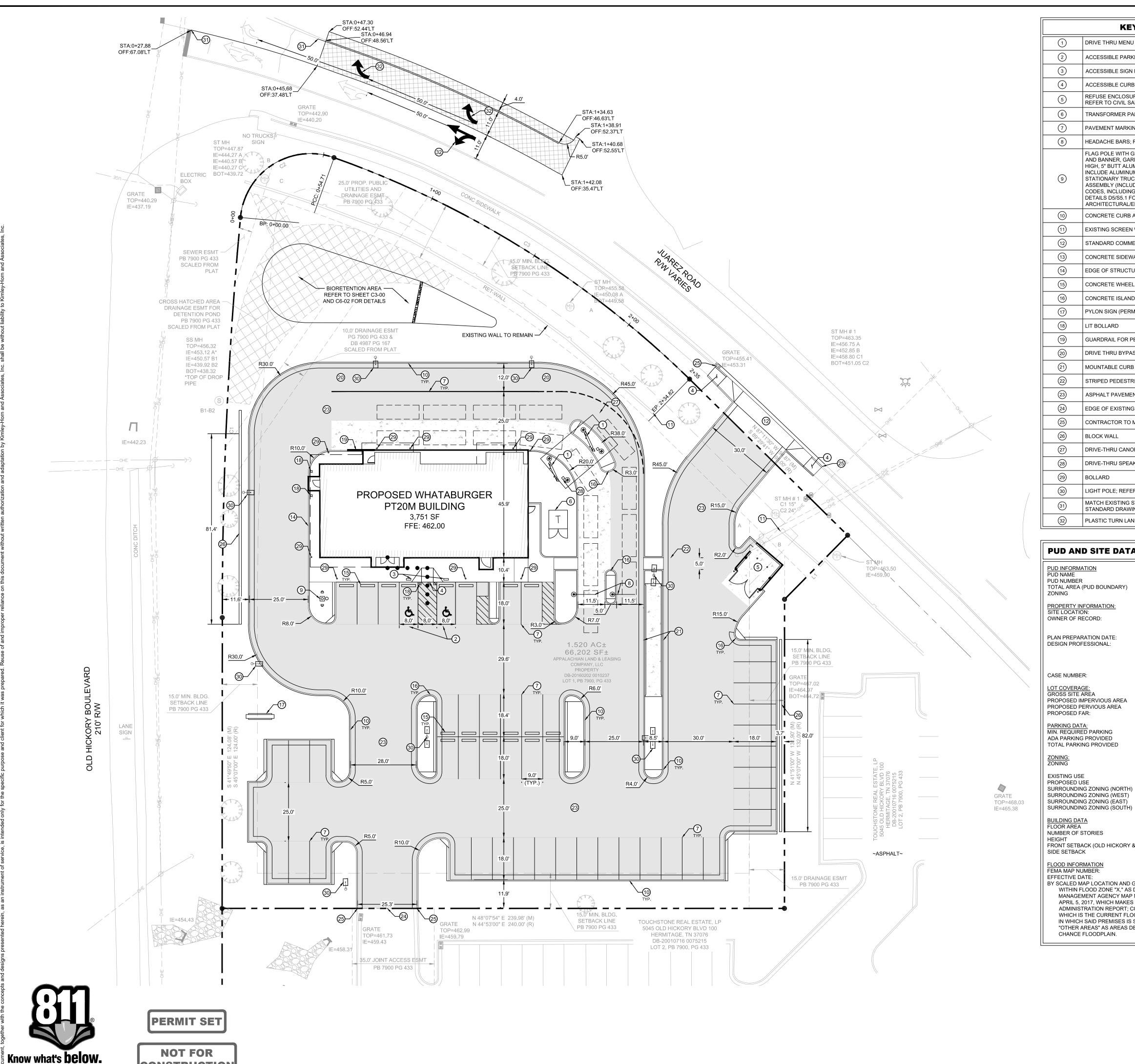
NOTE

IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE **CONTRACTOR** MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.

SHEET NUMBER C1-00

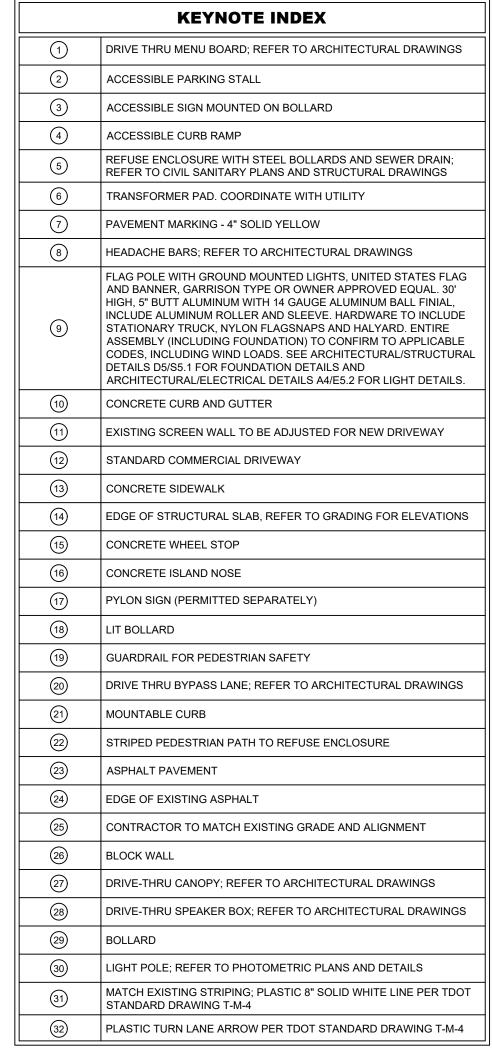
Ω

DEMOLITION



CONSTRUCTION

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PUD AND SITE DATA

HICKORY VILLAGE COMMERCIAL PUD 21.56 AC COMMERCIAL PUD - BASE ZONING SCR

5055 OLD HICKORY BLVD

601 MAIN ST, STE 102

LINDSEY HEARON, P.E.

MEMPHIS, TN 38138 PHONE: (901) 334-5323

66,202± SF (1.52± AC)

24,298± SF (0.56± AC)

38 STALLS (1 PER 100 SF)

WITH PUD OVERLAY

RESTAURANT, FULL-SERVICE

RESTAURANT, FAST-FOOD

SCR WITH PUD OVERLAY

SCR WITH PUD OVERLAY

SCR WITH PUD OVERLAY

SCR (SHOPPING CENTER REGIONAL)

RS7.5 (SINGLE FAMILY RESIDENTIAL)

41,904± SF (0.96± AC)

6750 POPLAR AVE, STE 600

HAZARD, KY 41701

10/28/2020

69-83P-004

2 STALLS 48 STALLS

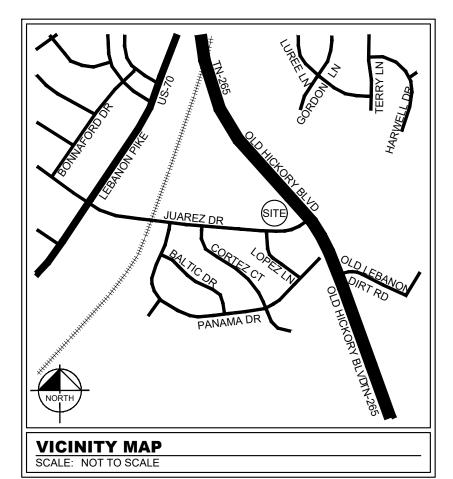
APPALACHIAN LAND & LEASING CO., LLC

KIMLEY-HORN AND ASSOCIATES, INC.

3,751 SF FRONT SETBACK (OLD HICKORY & JUAREZ) 15 FEET

> 47037C0278H APRIL 5, 2017

BY SCALED MAP LOCATION AND GRAPHIC PLOTTING ONLY, THIS PROPERTY LIES WITHIN FLOOD ZONE "X," AS DESIGNATED ON CURRENT FEDERAL EMERGENCY MANAGEMENT AGENCY MAP NO. 47037C0278H, WITH AN EFFECTIVE DATE OF APRIL 5, 2017, WHICH MAKES UP A PART OF THE NATIONAL FLOOD INSURANCE ADMINISTRATION REPORT; COMMUNITY NO. 470040, PANEL NO. 0278, SUFFIX H, WHICH IS THE CURRENT FLOOD INSURANCE RATE MAP FOR THE COMMUNITY IN WHICH SAID PREMISES IS SITUATED. SAID MAP DEFINES ZONE "X" UNDER "OTHER AREAS" AS AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL



GENERAL NOTES

CONDITIONS ARE RESOLVED.

CONTRACTOR MUST SECURE ALL NECESSARY PERMITS PRIOR TO BEGINNING WORK.

ATTENTION IS DRAWN TO THE FACT THAT THE SCALE OF THESE DRAWINGS MAY HAVE BEEN DISTORTED DURING THE REPRODUCTION PROCESS. THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION FROM KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES,

IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITION, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATIONS UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY

CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL SETBACKS, EASEMENTS, AND DIMENSIONS SHOWN HEREON BEFORE BEGINNING CONSTRUCTION. ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL BE IN

ACCORDANCE WITH THE STATE AND LOCAL GOVERNMENT

AGENCY'S LATEST CONSTRUCTION SPECIFICATIONS AND DETAILS. ALL ACCESSIBLE SITE FEATURES SHALL BE CONSTRUCTED TO MEET ALL FEDERAL, STATE, AND LOCAL CODES. NOTIFY THE CITY INSPECTOR TWENTY-FOUR (24) HOURS BEFORE

BEGINNING EACH PHASE OF CONSTRUCTION. THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, REFERENCE POINTS, AND STAKES.

ARCHITECTURAL PLANS ARE TO BE USED FOR BUILDING STAKE). ALL DIMENSIONS ARE FROM FACE OF BUILDING, CURB, AND WALL

UNLESS OTHERWISE SPECIFIED ON PLANS. CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SUCH THAT WORKERS AND PUBLIC SHALL BE PROTECTED FORM INJURY AND

ADJOINING PROPERTY PROTECTED FROM DAMAGE. CONTRACTOR IS REPONSIBLE FOR DAMAGE TO ANY EXISTING ITEM AND/OR MATERIAL INSIDE OR OUTSIDE CONTRACT LIMITS DUE TO CONSTRUCITON OPERATION.

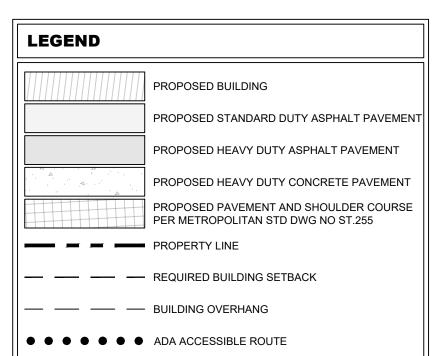
ALL STREET SURFACES, DRIVEWAYS, CULVERTS, CURB AND GUTTERS. ROADSIDE DRAINAGE DITCHES. AND OTHER STRUCTURES THAT ARE DISTURBED OR DAMAGED IN ANY MANNER AS A RESULT OF CONSTRUCTION SHALL BE REPLACED OR REPAIRED IN ACCORDANCE WITH THE SPECIFICATIONS.

 ALL ROAD WORK SHALL BE PERFORMED IN ACCORDANCE WITH STATE AND LOCAL GOVERNMENT AGENCY SPECIFICATIONS. STANDARD/HEAVY DUTY PAVEMENT AND CONCRETE SECTIONS SHALL FOLLOW THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT PREPARED BY _____, DATED ____.

16. BUILDING SETBACKS SHALL BE PER THE METRO ZONING CODE.

7. ALL DEVELOPMENT WITHIN THE BOUNDARIES OF THIS PLAN MEETS THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT AND THE FAIR HOUSING ACT. ADA: http://www.ada.gov/

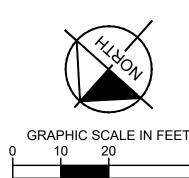
METRO WATER SERVICES SHALL BE PROVIDED SUFFICIENT AND UNENCUMBERED INGRESS AND EGRESS AT ALL TIMES IN ORDER TO MAINTAIN, REPAIR, REPLACE, AND INSPECT ANY STORMWATER FACILITIES WITHIN THE PROPERTY.



BLOCK WALL

NOTE

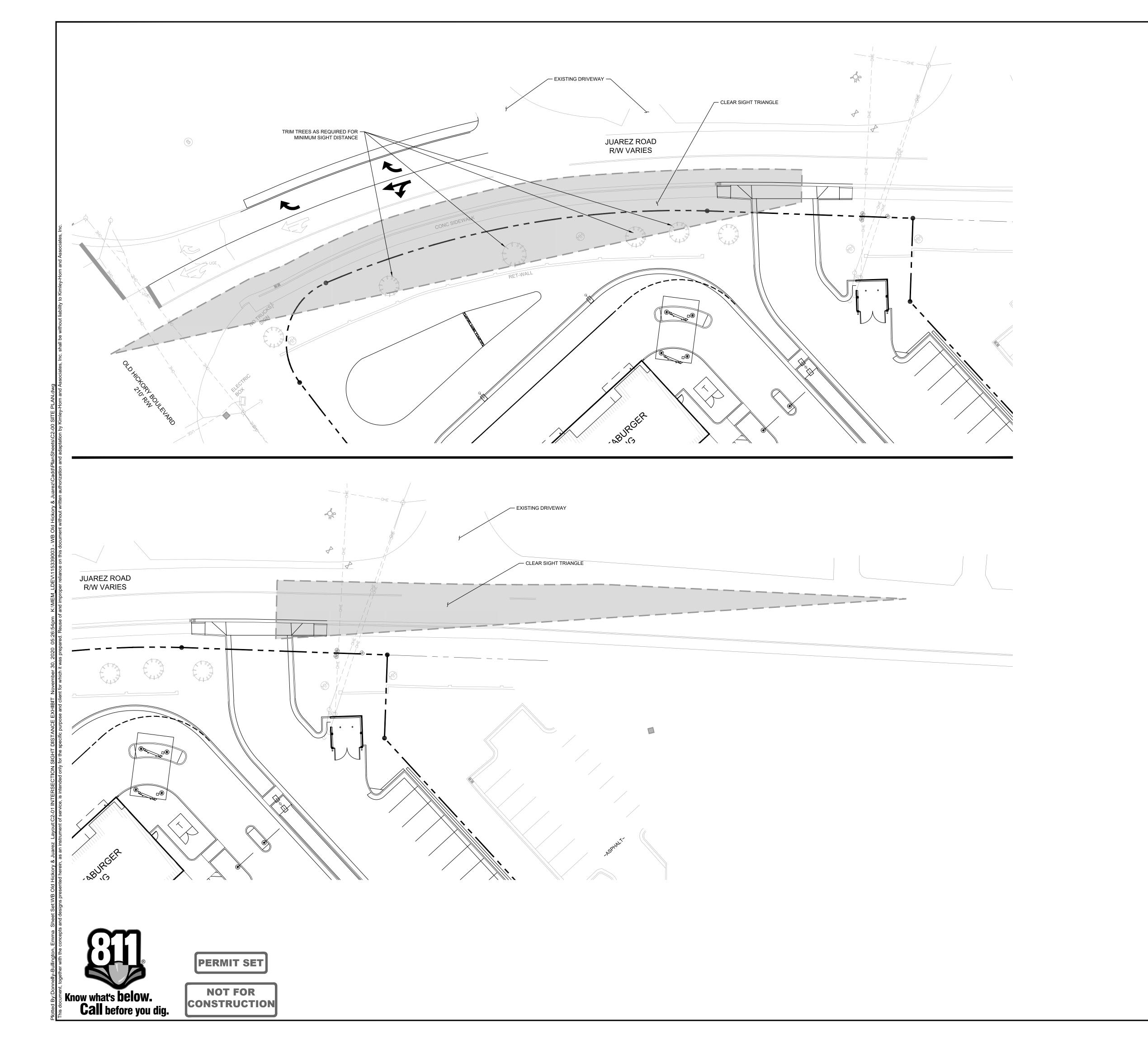
THE FINAL SITE PLAN / BUILDING PERMIT SITE PLAN SHALL DEPICT THE REQUIRED PUBLIC SIDEWALKS, ANY REQUIRED GRASS STRIP OR FRONTAGE ZONE, AND THE LOCATION OF ALL EXISTING AND PROPOSED VERTICAL OBSTRUCTIONS WITHIN THE REQUIRED SIDEWALK AND GRASS STRIP OR FRONTAGE ZONE. PRIOR TO THE ISSUANCE OF USE AND OCCUPANCY PERMITS, EXISTING VERTICAL OBSTRUCTIONS SHALL BE RELOCATED OUTSIDE OF THE REQUIRED SIDEWALK. VERTICAL OBSTRUCTIONS ARE ONLY PERMITTED WITHIN THE REQUIRED GRASS STRIP OR FRONTAGE ZONE.

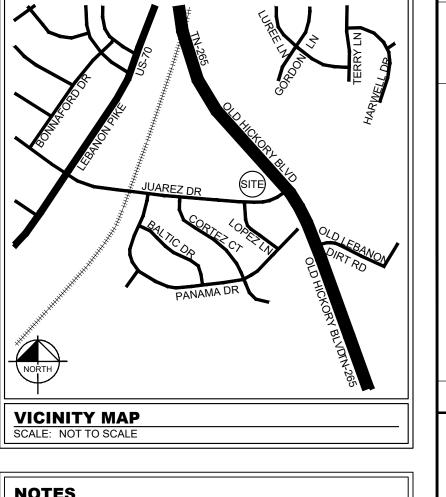


SHEET NUMBER C2-00

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NOTES

1. FOR INTERSECTION SIGHT DISTANCE
HEIGHT OF DRIVER'S EYE = 3.5'
HEIGHT OF OBJECT = 3.5'

2. FOR STOPPING SIGHT DISTANCE
HEIGHT OF DRIVER'S EYE = 3.5'
HEIGHT OF OBJECT = 2.0'

INTERSECTION SIGHT DISTANCE - EAST REQUIRED 335' PROPOSED 335'

4. INTERSECTION SIGHT DISTANCE - WEST REQUIRED 290' PROPOSED 290'

290' (WEST)

PROPOSED 335' (EAST)

6. <u>POSTED SPEED LIMIT</u> JUAREZ DRIVE 30 MPH

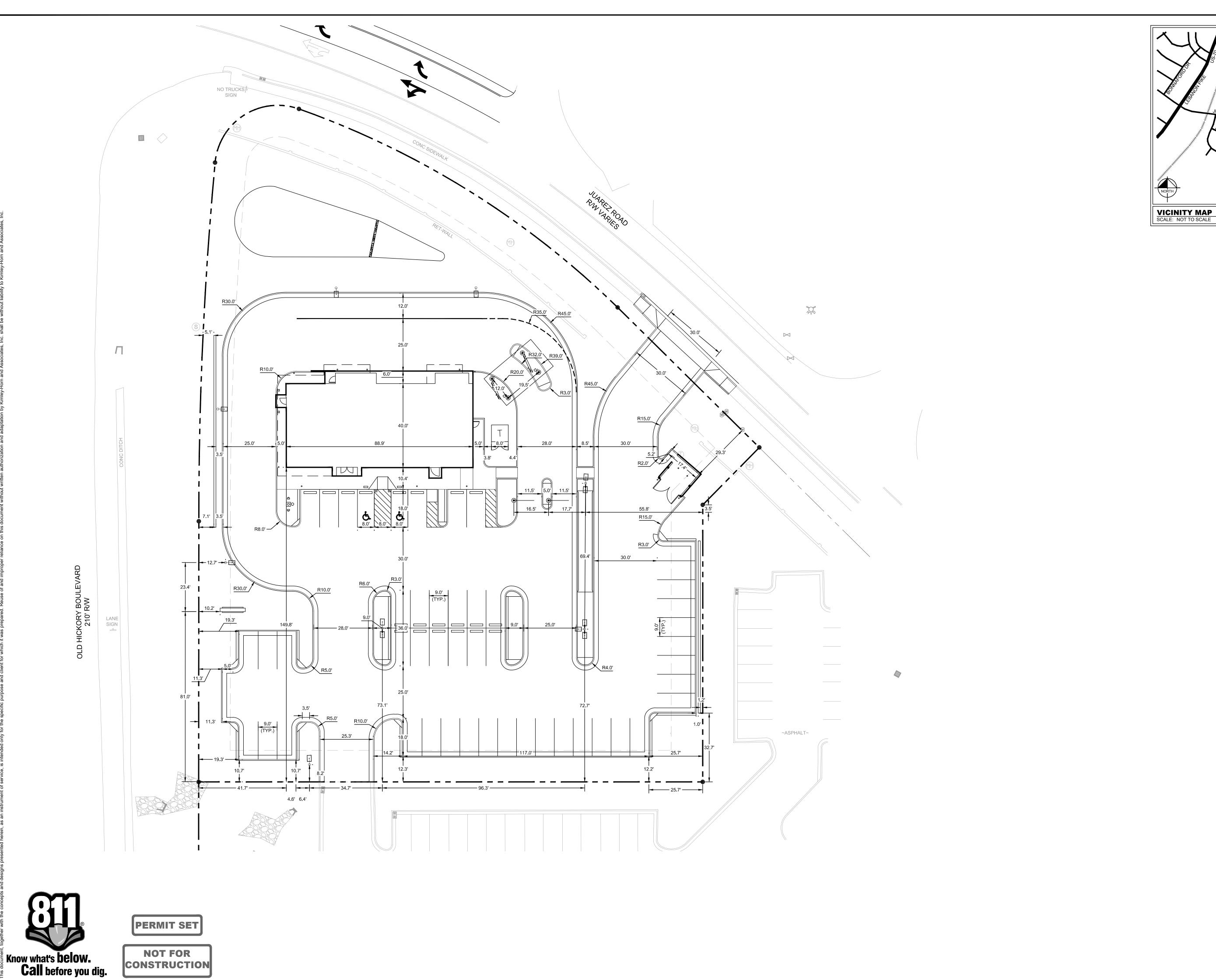


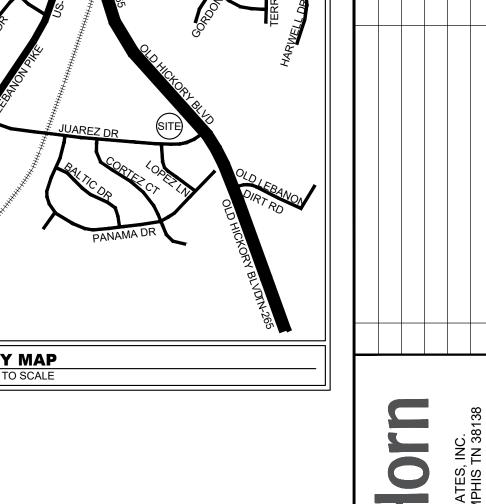


INTERSECTION SIGHT DISTANCE EXHIBIT

NWQ OLD HICKORY
BLVD & JUAREZ
PREPARED FOR
WHATABURGER

SHEET NUMBER C2-01



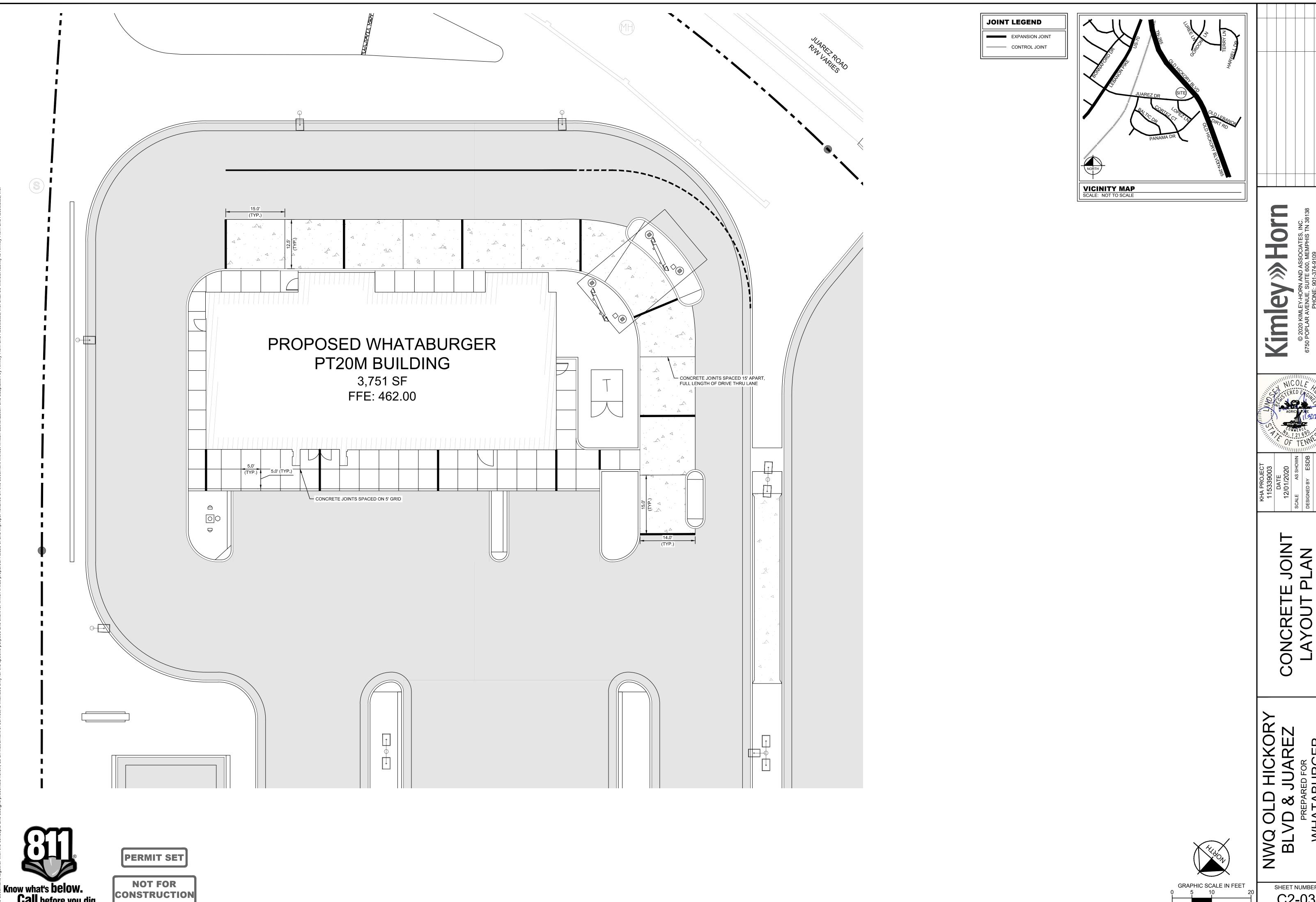


HORIZONTAL CONTROL PLAN

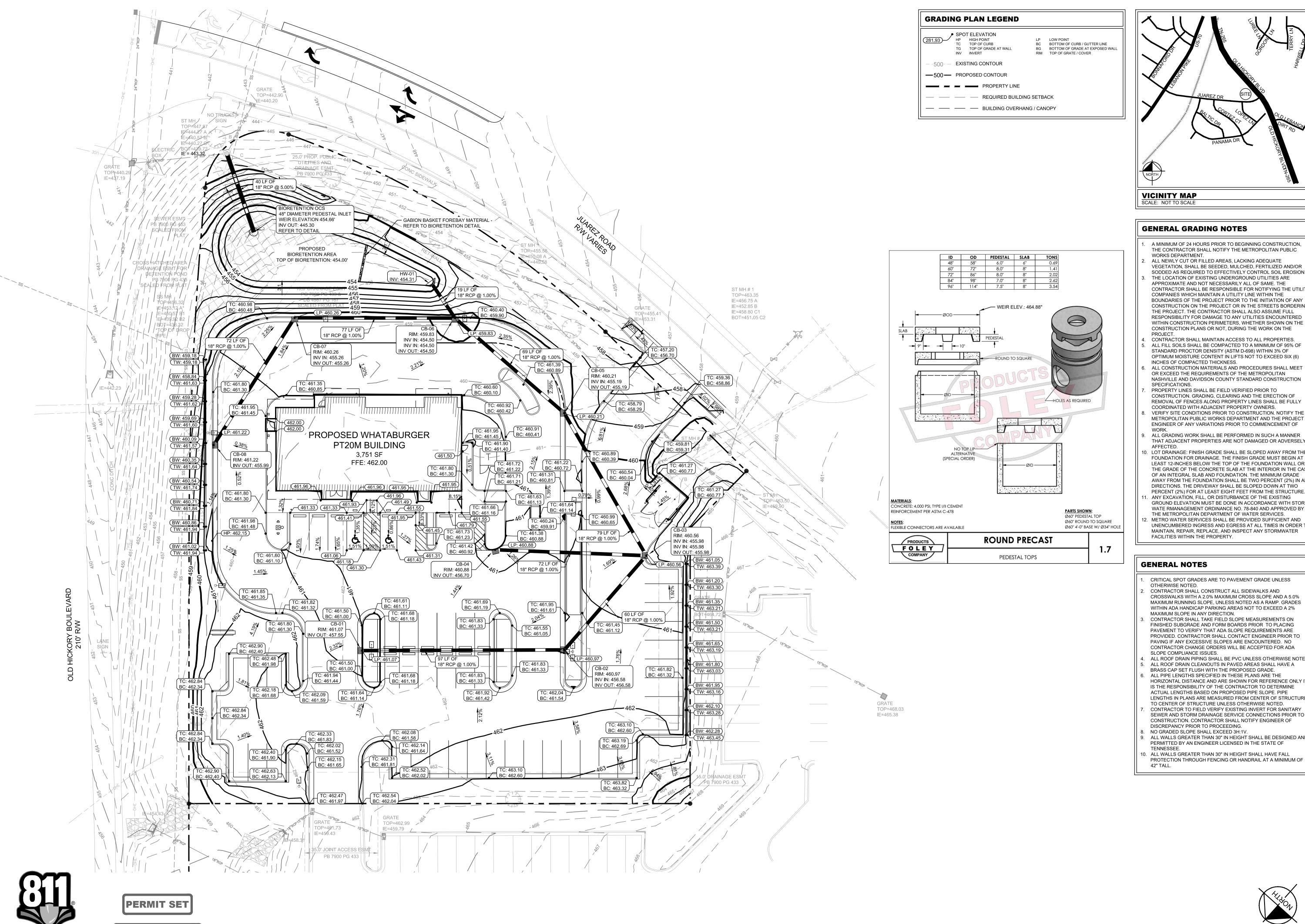
NWQ OLD HICKORY
BLVD & JUAREZ
PREPARED FOR
WHATABURGER

SHEET NUMBER C2-02

GRAPHIC SCALE IN FEET



SHEET NUMBER C2-03

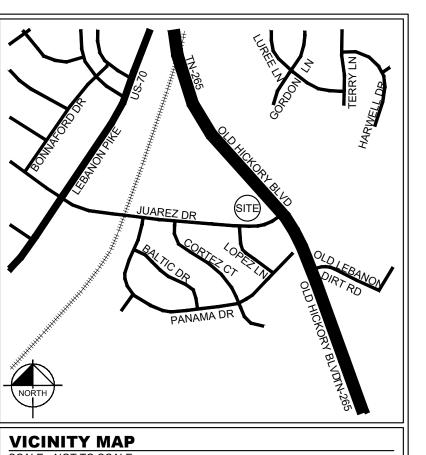


NOT FOR

CONSTRUCTION

Know what's below

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GENERAL GRADING NOTES

A MINIMUM OF 24 HOURS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE METROPOLITAN PUBLIC WORKS DEPARTMENT.

VEGETATION, SHALL BE SEEDED, MULCHED, FERTILIZED AND/OR SODDED AS REQUIRED TO EFFECTIVELY CONTROL SOIL EROSION. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND NOT NECESSARILY ALL OF SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE UTILITY COMPANIES WHICH MAINTAIN A UTILITY LINE WITHIN THE BOUNDARIES OF THE PROJECT PRIOR TO THE INITIATION OF ANY CONSTRUCTION ON THE PROJECT OR IN THE STREETS BORDERING THE PROJECT THE CONTRACTOR SHALL ALSO ASSUME FULL RESPONSIBILITY FOR DAMAGE TO ANY UTILITIES ENCOUNTERED

CONSTRUCTION PLANS OR NOT, DURING THE WORK ON THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES.

ALL FILL SOILS SHALL BE COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR DENSITY (ASTM D-698) WITHIN 3% OF OPTIMUM MOISTURE CONTENT IN LIFTS NOT TO EXCEED SIX (6) INCHES OF COMPACTED THICKNESS.

ALL CONSTRUCTION MATERIALS AND PROCEDURES SHALL MEET OR EXCEED THE REQUIREMENTS OF THE METROPOLITAN NASHVILLE AND DAVIDSON COUNTY STANDARD CONSTRUCTION PROPERTY LINES SHALL BE FIELD VERIFIED PRIOR TO

REMOVAL OF FENCES ALONG PROPERTY LINES SHALL BE FULLY COORDINATED WITH ADJACENT PROPERTY OWNERS VERIFY SITE CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY THE METROPOLITAN PUBLIC WORKS DEPARTMENT AND THE PROJECT ENGINEER OF ANY VARIATIONS PRIOR TO COMMENCEMENT OF

ALL GRADING WORK SHALL BE PERFORMED IN SUCH A MANNER

THAT ADJACENT PROPERTIES ARE NOT DAMAGED OR ADVERSELY

0. LOT DRAINAGE: FINISH GRADE SHALL BE SLOPED AWAY FROM THE FOUNDATION FOR DRAINAGE. THE FINISH GRADE MUST BEGIN AT LEAST 12-INCHES BELOW THE TOP OF THE FOUNDATION WALL OR THE GRADE OF THE CONCRETE SLAB AT THE INTERIOR IN THE CASE OF AN INTEGRAL SLAB AND FOUNDATION. THE MINIMUM GRADE AWAY FROM THE FOUNDATION SHALL BE TWO PERCENT (2%) IN ALL DIRECTIONS. THE DRIVEWAY SHALL BE SLOPED DOWN AT TWO ANY EXCAVATION, FILL, OR DISTURBANCE OF THE EXISTING

PERCENT (2%) FOR AT LEAST EIGHT FEET FROM THE STRUCTURE. GROUND ELEVATION MUST BE DONE IN ACCORDANCE WITH STORM WATE RMANAGEMENT ORDINANCE NO. 78-840 AND APPROVED BY THE METROPOLITAN DEPARTMENT OF WATER SERVICES.

METRO WATER SERVICES SHALL BE PROVIDED SUFFICIENT AND UNENCUMBERED INGRESS AND EGRESS AT ALL TIMES IN ORDER TO MAINTAIN, REPAIR, REPLACE, AND INSPECT ANY STORMWATER FACILITIES WITHIN THE PROPERTY.

CRITICAL SPOT GRADES ARE TO PAVEMENT GRADE UNLESS

CONTRACTOR SHALL CONSTRUCT ALL SIDEWALKS AND CROSSWALKS WITH A 2.0% MAXIMUM CROSS SLOPE AND A 5.0% MAXIMUM RUNNING SLOPE, UNLESS NOTED AS A RAMP. GRADES WITHIN ADA HANDICAP PARKING AREAS NOT TO EXCEED A 2%

CONTRACTOR SHALL TAKE FIELD SLOPE MEASUREMENTS ON FINISHED SUBGRADE AND FORM BOARDS PRIOR TO PLACING PAVEMENT TO VERIFY THAT ADA SLOPE REQUIREMENTS ARE PROVIDED. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO PAVING IF ANY EXCESSIVE SLOPES ARE ENCOUNTERED. NO CONTRACTOR CHANGE ORDERS WILL BE ACCEPTED FOR ADA

SLOPE COMPLIANCE ISSUES. ALL ROOF DRAIN PIPING SHALL BE PVC UNLESS OTHERWISE NOTED. ALL ROOF DRAIN CLEANOUTS IN PAVED AREAS SHALL HAVE A

BRASS CAP SET FLUSH WITH THE PROPOSED GRADE. ALL PIPE LENGTHS SPECIFIED IN THESE PLANS ARE THE HORIZONTAL DISTANCE AND ARE SHOWN FOR REFERENCE ONLY IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ACTUAL LENGTHS BASED ON PROPOSED PIPE SLOPE. PIPE

LENGTHS IN PLANS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED. CONTRACTOR TO FIELD VERIFY EXISTING INVERT FOR SANITARY SEWER AND STORM DRAINAGE SERVICE CONNECTIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF

NO GRADED SLOPE SHALL EXCEED 3H:1V. ALL WALLS GREATER THAN 30" IN HEIGHT SHALL BE DESIGNED AND PERMITTED BY AN ENGINEER LICENSED IN THE STATE OF

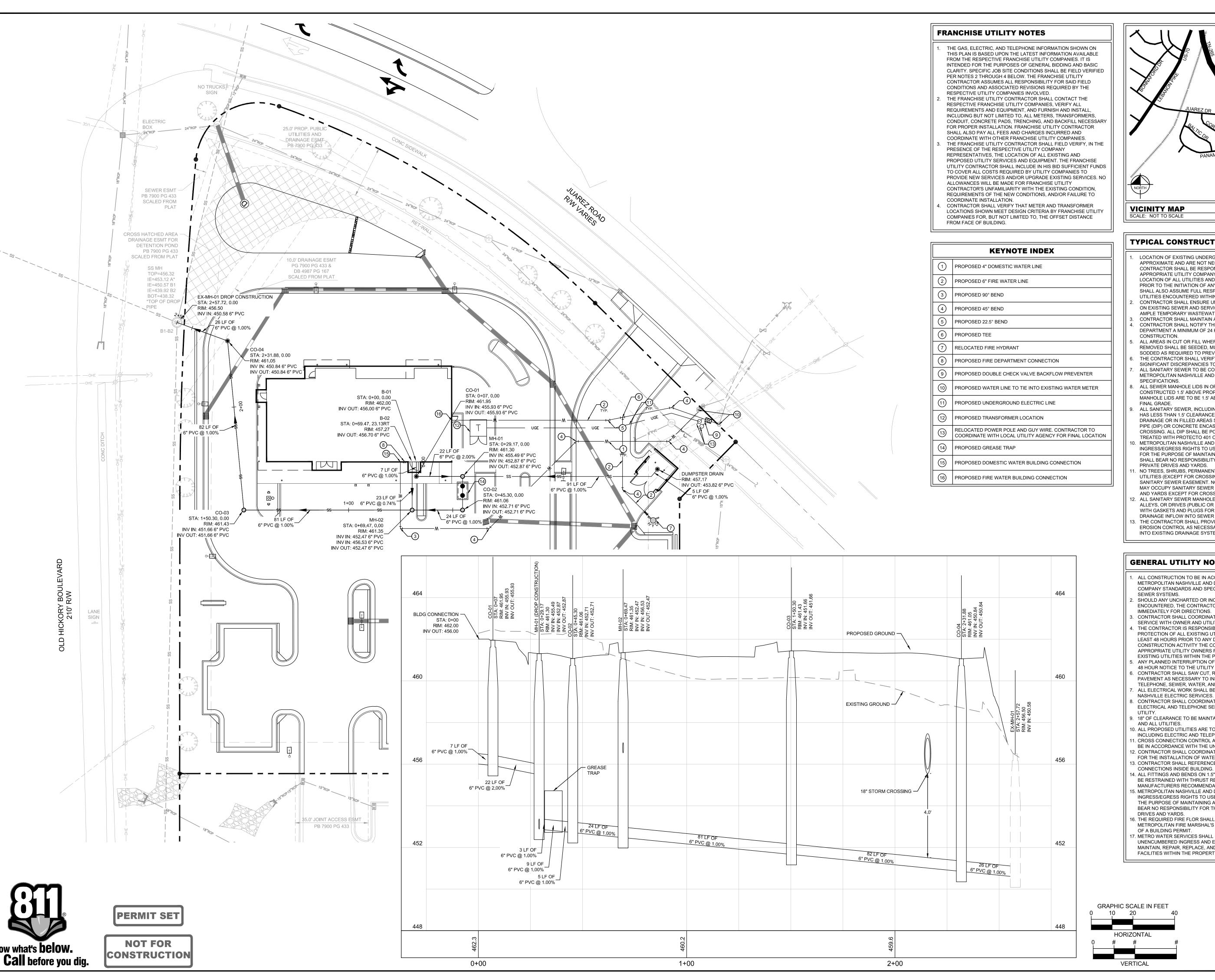
ALL WALLS GREATER THAN 30" IN HEIGHT SHALL HAVE FALL PROTECTION THROUGH FENCING OR HANDRAIL AT A MINIMUM OF

GRAPHIC SCALE IN FEET

SHEET NUMBER C3-00

AND PLAI

GRADING

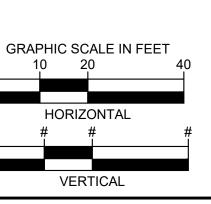


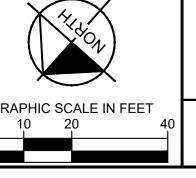
TYPICAL CONSTRUCTION NOTES

- LOCATION OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND ARE NOT NECESSARILY ALL OF SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE APPROPRIATE LITH ITY COMPANY TO DETERMINE THE EXACT LOCATION OF ALL UTILITIES AND/OR UNDERGROUND STRUCTURES PRIOR TO THE INITIATION OF ANY CONSTRUCTION. CONTRACTOR SHALL ALSO ASSUME FULL RESPONSIBILITY FOR DAMAGE TO ANY UTILITIES ENCOUNTERED WITHIN CONSTRUCTION PERIMETERS.
- CONTRACTOR SHALL ENSURE UNINTERRUPTED SEWER SERVICE ON EXISTING SEWER AND SERVICE CONNECTIONS BY PROVIDING AMPLE TEMPORARY WASTEWATER PUMPING AND/OR BYPASSING. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES CONTRACTOR SHALL NOTIFY THE METROPOLITAN PUBLIC WORKS DEPARTMENT A MINIMUM OF 24 HOURS PRIOR TO BEGINNING ANY
- ALL AREAS IN CUT OR FILL WHERE VEGETATION HAS BEEN REMOVED SHALL BE SEEDED, MULCHED, FERTILIZED, AND/OR SODDED AS REQUIRED TO PREVENT EROSION.
- THE CONTRACTOR SHALL VERIFY EXISTING DATA AND REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ENGINEER. ALL SANITARY SEWER TO BE CONSTRUCTED AS PER
- METROPOLITAN NASHVILLE AND DAVIDSON COUNTY STANDARD SPECIFICATIONS. ALL SEWER MANHOLE LIDS IN OPEN AREAS ARE TO BE
- CONSTRUCTED 1.5' ABOVE PROPOSED GRADE. IN BACKYARDS, MANHOLE LIDS ARE TO BE 1.5' ABOVE INITIAL GRADE, 0.5' ABOVE ALL SANITARY SEWER, INCLUDING SERVICE CONNECTIONS, WHICH
- HAS LESS THAN 1.5' CLEARANCE (OUTSIDE OF PIPES) WITH DRAINAGE OR IN FILLED AREAS SHALL BE CLASS 50 DUCTILE IRON PIPE (DIP) OR CONCRETE ENCASED, 10' MINIMUM BOTH SIDES OF CROSSING. ALL DIP SHALL BE POLYETHYLENE LINED OR SHALL BE TREATED WITH PROTECTO 401 OR APPROVED EQUIVALENT.
- METROPOLITAN NASHVILLE AND DAVIDSON COUNTY SHALL HAVE INGRESS/EGRESS RIGHTS TO USE PRIVATE DRIVES AND YARDS FOR THE PURPOSE OF MAINTAINING ALL PUBLIC SEWER LINES AND SHALL BEAR NO RESPONSIBILITY FOR THE MAINTENANCE OF SAID PRIVATE DRIVES AND YARDS.
- NO TREES, SHRUBS, PERMANENT STRUCTURES, OR OTHER UTILITIES (EXCEPT FOR CROSSINGS) WILL BE ALLOWED WITHIN SANITARY SEWER EASEMENT. NO OTHER UTILITIES OR SERVICES MAY OCCUPY SANITARY SEWER EASEMENTS IN PRIVATE DRIVES AND YARDS EXCEPT FOR CROSSINGS.
- ALL SANITARY SEWER MANHOLES IN REVERSE CROWN STREETS, ALLEYS, OR DRIVES (PUBLIC OR PRIVATE) SHALL BE PROVIDED WITH GASKETS AND PLUGS FOR PICK HOLES TO PREVENT
- DRAINAGE INFLOW INTO SEWER SYSTEM. THE CONTRACTOR SHALL PROVIDE ADEQUATE AND EFFECTIVE EROSION CONTROL AS NECESSARY TO PREVENT ANY SILTATION INTO EXISTING DRAINAGE SYSTEM AND/OR ADJACENT PROPERTIES.

GENERAL UTILITY NOTES

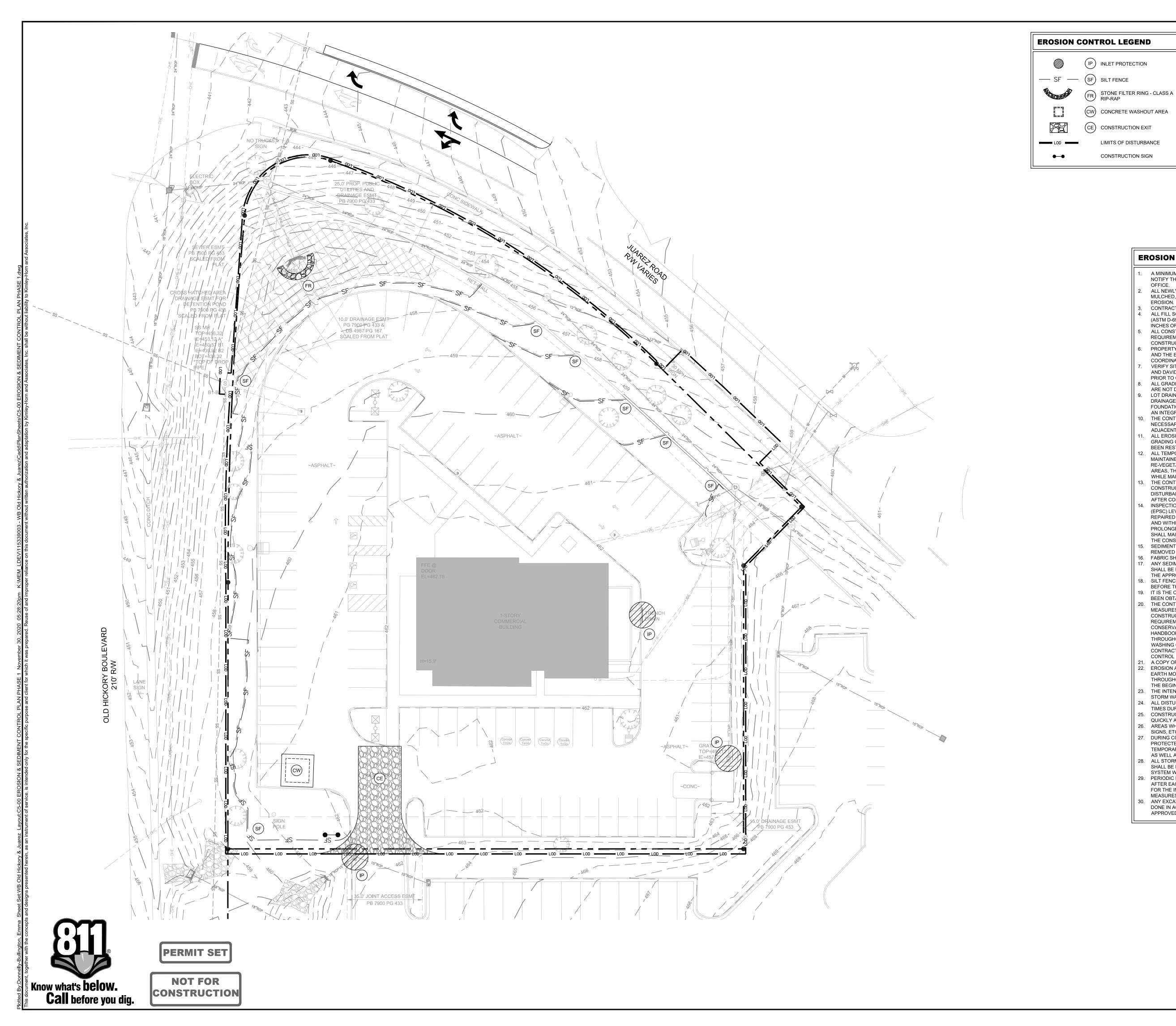
- ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE LATEST METROPOLITAN NASHVILLE AND DAVIDSON COUNTY AND UTILITY COMPANY STANDARDS AND SPECIFICATIONS FOR WATER AND SEWER SYSTEMS.
- SHOULD ANY UNCHARTED OR INCORRECTLY CHARTED UTILITIES BE ENCOUNTERED, THE CONTRACTOR SHALL CONTACT THE OWNER IMMEDIATELY FOR DIRECTIONS.
- CONTRACTOR SHALL COORDINATE ANY INTERRUPTION OF UTILITY SERVICE WITH OWNER AND UTILITY COMPANY.
- THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. AT LEAST 48 HOURS PRIOR TO ANY DEMOLITION, GRADING, OR CONSTRUCTION ACTIVITY THE CONTRACTOR SHALL NOTIFY THE
- APPROPRIATE UTILITY OWNERS FOR PROPER IDENTIFICATION OF EXISTING UTILITIES WITHIN THE PROJECT SITE. ANY PLANNED INTERRUPTION OF UTILITY SERVICE SHALL BE GIVEN A 48 HOUR NOTICE TO THE UTILITY COMPANY AND THE OWNER.
- CONTRACTOR SHALL SAW CUT, REMOVE, AND REPLACE ASPHALT PAVEMENT AS NECESSARY TO INSTALL UNDERGROUND ELECTRIC, TELEPHONE, SEWER, WATER, AND COMMUNICATION CONDUITS. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH
- CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ELECTRICAL AND TELEPHONE SERVICE WITH APPROPRIATE LOCAL
- 18" OF CLEARANCE TO BE MAINTAINED BETWEEN STORM, SANITARY,
- AND ALL UTILITIES. 10. ALL PROPOSED UTILITIES ARE TO BE INSTALLED UNDERGROUND,
- INCLUDING ELECTRIC AND TELEPHONE. 1. CROSS CONNECTION CONTROL AND BACKFLOW PREVENTION SHALL BE IN ACCORDANCE WITH THE UNIFORM STATEWIDE BUILDING CODE.
- 12. CONTRACTOR SHALL COORDINATE WITH METRO WATER SERVICES FOR THE INSTALLATION OF WATER METERS. 13. CONTRACTOR SHALL REFERENCE BUILDING PLANS FOR UTILITY CONNECTIONS INSIDE BUILDING
- 4. ALL FITTINGS AND BENDS ON 1.5" WATER LINES AND LARGER SHALL BE RESTRAINED WITH THRUST RESTRAINTS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- 5. METROPOLITAN NASHVILLE AND DAVIDSON COUNTY SHALL HAVE INGRESS/EGRESS RIGHTS TO USE PRIVATE DRIVES AND YARDS FOR THE PURPOSE OF MAINTAINING ALL PUBLIC SEWER LINES AND SHALL BEAR NO RESPONSIBILITY FOR THE MAINTENANCE OF SAID PRIVATE DRIVES AND YARDS.
- 6. THE REQUIRED FIRE FLOR SHALL BE DETERMINED BY THE METROPOLITAN FIRE MARSHAL'S OFFICE, PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.
- METRO WATER SERVICES SHALL BE PROVIDED SUFFICIENT AND UNENCUMBERED INGRESS AND EGRESS AT ALL TIMES IN ORDER TO MAINTAIN, REPAIR, REPLACE, AND INSPECT ANY STORMWATER FACILITIES WITHIN THE PROPERTY.

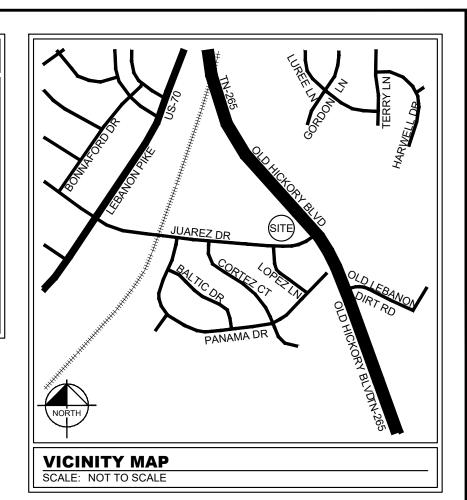




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SHEET NUMBER C4-00





EROSION CONTROL NOTES

- A MINIMUM OF 24 HOURS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE METROPOLITAN NASHVILLE AND DAVIDSON COUNTY CONSTRUCTION INSPECTION ALL NEWLY CUT OR FILLED AREA, LACKING ADEQUATE VEGETATION, SHALL BE SEEDED,
- MULCHED, FERTILIZED, AND/OR SODDED AS REQUIRED TO EFFECTIVELY CONTROL SOIL CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES. ALL FILL SOILS SHALL BE COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR DENSITY
- (ASTM D-698) WITHIN 3% OF OPTIMUM MOISTURE CONTENT IN LIFTS NOT TO EXCEED SIX INCHES OF COMPACTED THICKNESS. ALL CONSTRUCTION MATERIALS AND PROCEDURES SHALL MEET OR EXCEED THE
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- ARE NOT DAMAGED OR ADVERSELY AFFECTED. LOT DRAINAGE: FINISH GRADE SHALL BE SLOPED AWAY FROM THE FOUNDATION FOR DRAINAGE. THE FINISH GRADE MUST BE AT LEAST 12 INCHES BELOW THE TOP OF THE FOUNDATION WALL OR THE GRADE OF THE CONCRETE SLAB AT THE INTERIOR IN THE CASE OF
- AN INTEGRAL SLAB AND FOUNDATION. THE CONTRACTOR SHALL PROVIDE ADEQUATE AND EFFECTIVE EROSION CONTROL AS NECESSARY TO PREVENT ANY SILTATION INTO EXISTING DRAINAGE SYSTEM AND/OR
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- WHILE MAINTAINING ADEQUATE EROSION CONTROL IN ADJACENT AREAS. THE CONTRACTOR SHALL SCHEDULE SITE GRADING, UTILITY INSTALLATION AND ROADWAY CONSTRUCTION SO THAT THE GENERAL SITE CAN BE MULCHED AND RE-SEEDED SOON AFTER DISTURBANCE. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED WITHIN 14 DAYS AFTER COMPLETION OF FINAL GRADING OR AFTER 14 DAYS OF GRADING INACTIVITY.
- INSPECTIONS MUST BE PERFORMED BY AN EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) LEVEL I CERTIFIED PERSONNEL. ALL CONTROL MEASURES SHALL BE CHECKED, AND REPAIRED AS NECESSARY, TWICE WEEKLY AT LEAST 72 HOURS APART AND IN DRY PERIODS AND WITHIN 24 HOURS AFTER ANY RAINFALL OF 0.5 INCHES WITHIN A 24 HOUR PERIOD. DURING PROLONGED RAINFALL DAILY CHECKING AND REPAIRING IS NECESSARY. THE PERMITTEE SHALL MAINTAIN RECORDS OF CHECKS AND REPAIRS. A RAIN GAUGE MUST BE MAINTAINED AT
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- 18. SILT FENCE SHALL BE REMOVED WHEN IT HAS SERVED ITS USEFUL PURPOSE, BUT NOT
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- 23. THE INTENT OF THE EROSION AND SEDIMENT CONTROL PLAN IS TO MINIMIZE THE RELEASE OF STORM WATER POLLUTANTS TO DOWNSTREAM PROPERTIES AND DRAINAGE SYSTEMS. 24. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES.
- 25. CONSTRUCTION WILL BE SEQUENCED SO THAT GRADING OPERATIONS CAN BEGIN AND END AS QUICKLY AS POSSIBLE.
- 26. AREAS WHICH ARE NOT TO BE DISTURBED WILL BE CLEARLY MARKED BY FENCING, FLAGS, 27. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES SHALL BE STABILIZED OR
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- 30. ANY EXCAVATION, FILL, OR DISTURBANCE OF THE EXISTING GROUND ELEVATION MUST BE DONE IN ACCORDANCE WITH STORM WATER MANAGEMENT ORDINANCE NO. 78-840 AND APPROVED BY THE METROPOLITAN DEPARTMENT OF WATER SERVICES.

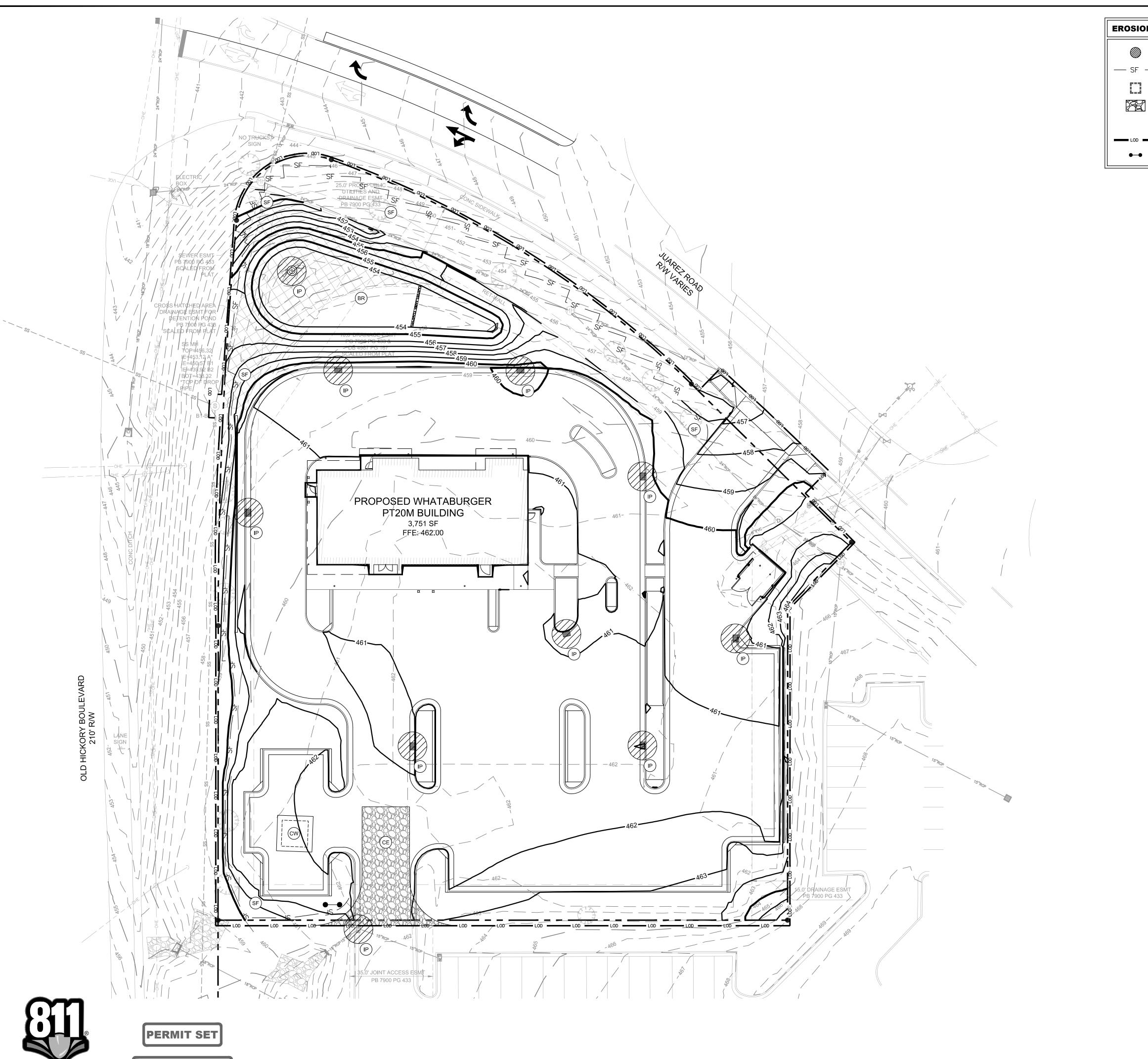
FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL



SHEET NUMBER C5-00

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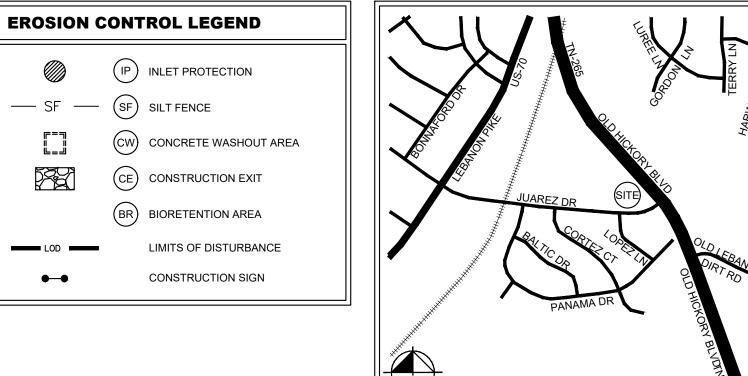


NOT FOR

CONSTRUCTION

Know what's **below**

Call before you dig.



EROSION CONTROL NOTES

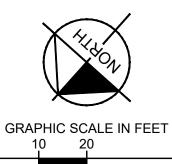
A MINIMUM OF 24 HOURS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE METROPOLITAN NASHVILLE AND DAVIDSON COUNTY CONSTRUCTION INSPECTION

VICINITY MAP

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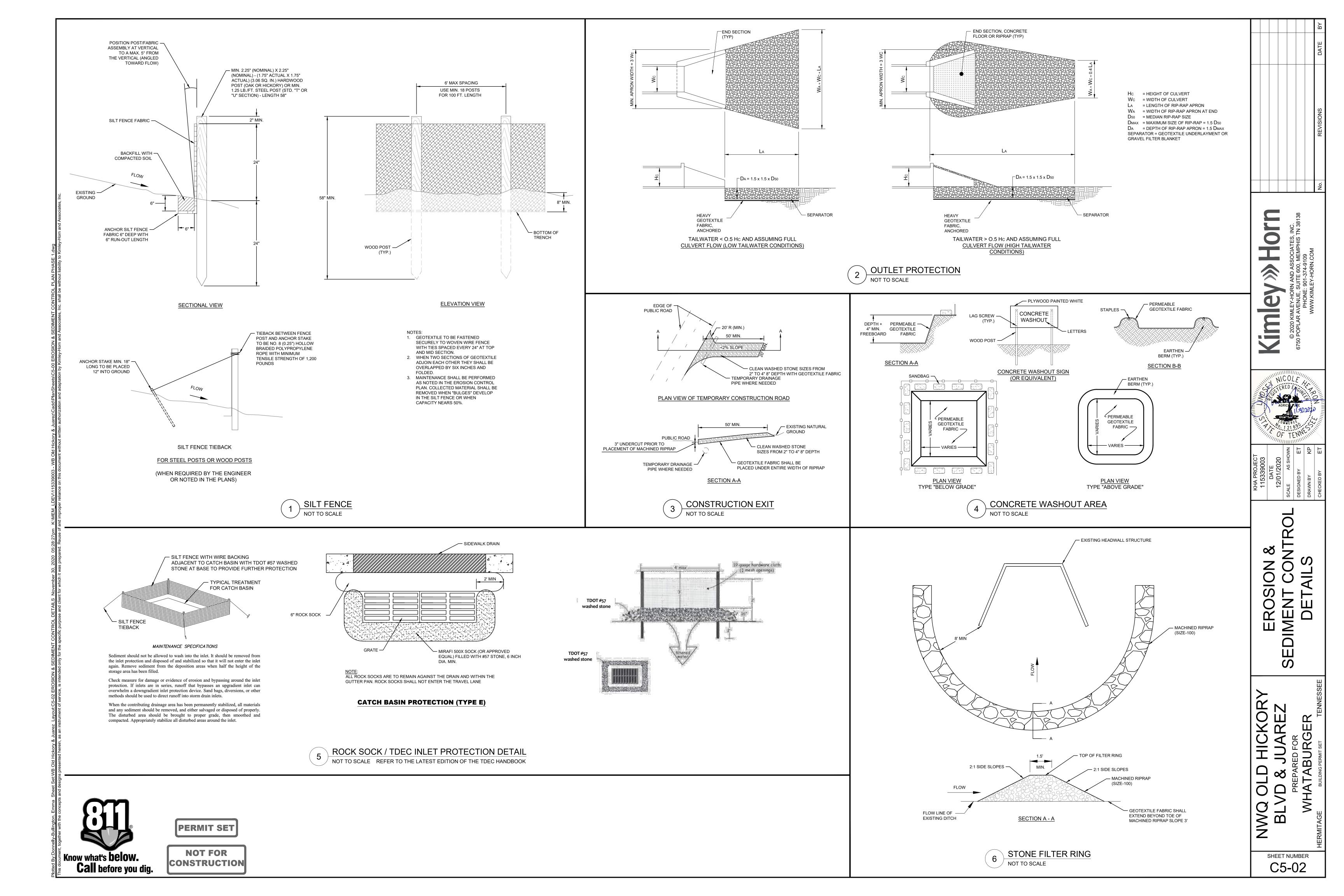
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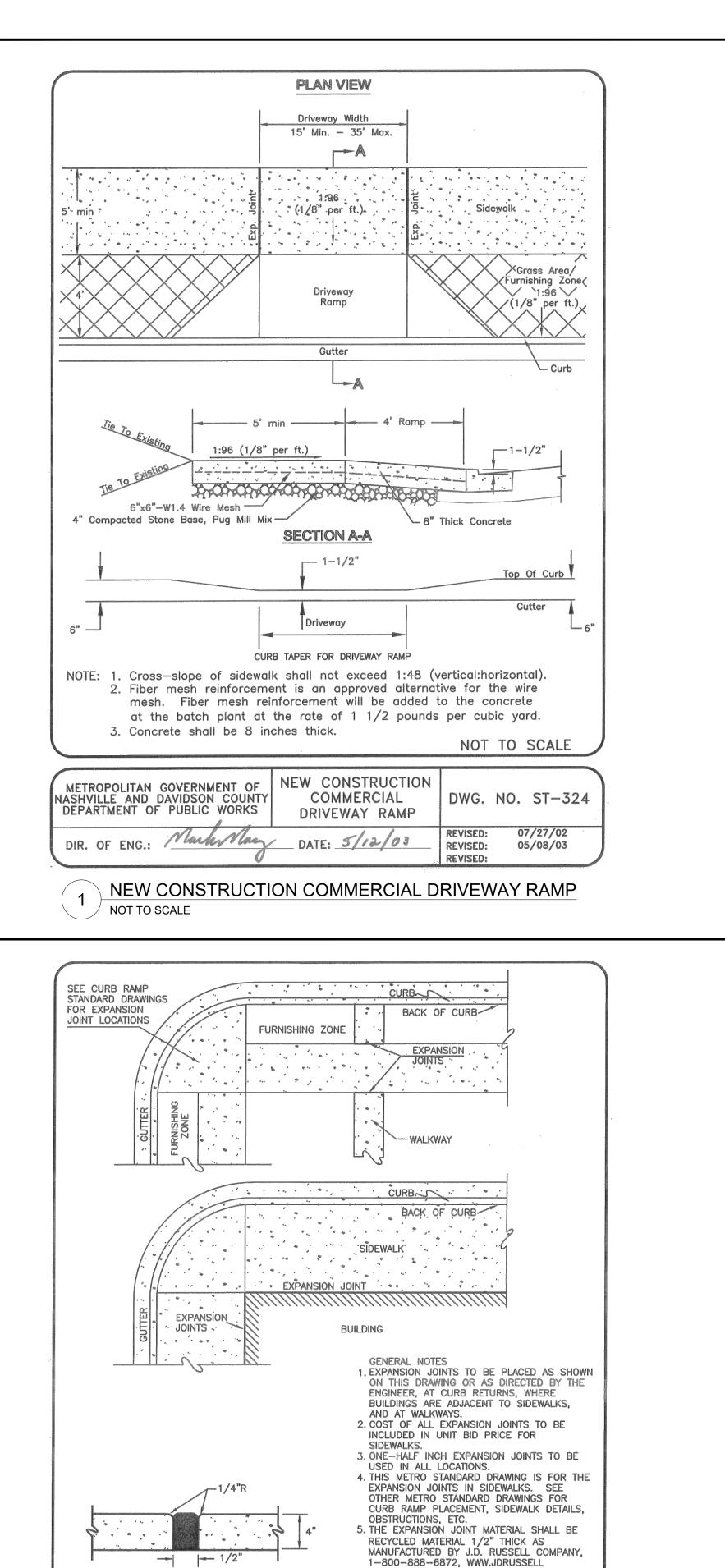


SHEET NUMBER C5-01

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COMPANY.COM, OR APPROVED EQUAL.

REVISED:

REVISED:

REVISED:

STANDARD EXPANSION

JOINT FOR

CONCRETE SIDEWALK

_ DATE: 5/12/03

STANDARD EXPANSION JOINT FOR CONCRETE SIDEWALK

NOT TO SCALE

03/01/02

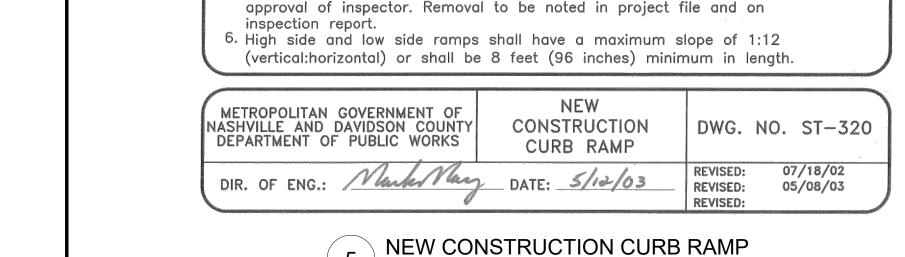
05/02/03

DWG. NO. ST-209

TYPICAL EXPANSION JOINT DETAIL

METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY DEPARTMENT OF PUBLIC WORKS

NOT TO SCALE



NOT TO SCALE

NOT TO SCALE

1:12 Max. 🕃

LONGITUDINAL STREET GRADE

1/8" per ft.-

Ramp shall be flush with the gutter or edge of pavement.

2. Cross—slope of landing and of sidewalk shall not exceed 1:48

3. Surface texture of the curb ramp shall be stable, firm, and slip—resistant.

4. The normal gutter slope of 1:12 (vertical:horizontal) shall be reduced to

5. Back curb shall be constructed at the direction of Public Works, and if

be a constant height through landing. Deletion of back curb requires

The surface shall be coarse broomed "white" concrete finish transverse to

1:20 (vertical:horizontal) at the ramp when the curb and gutter is poured

before the ramp, or the gutter at the ramp must be cut out, removed,

required, back curb height along ramp shall transition from 0 inches at

expansion joints to the proposed height of back curb at landing and shall

Varies min. 2.5"

6" Thick Concrete ----

and repoured when the ramp is poured.

OR 8' MIN.

Grass Area/ Grass Area/ Furnishing Zone

Curb

4" Compacted _

Pug Mill Mix

GENERAL NOTES

(vertical:horizontal).

the slope of the ramp.

Back Curb (See Note

(optional)

1:96..

PLAN VIEW

1:12 Max.

OR 8' MIN.

4' Ramp

SECTION A-A

Edge Markings

1:96 Grass Area/ww(1/8" per ft.) 4'

Curb With

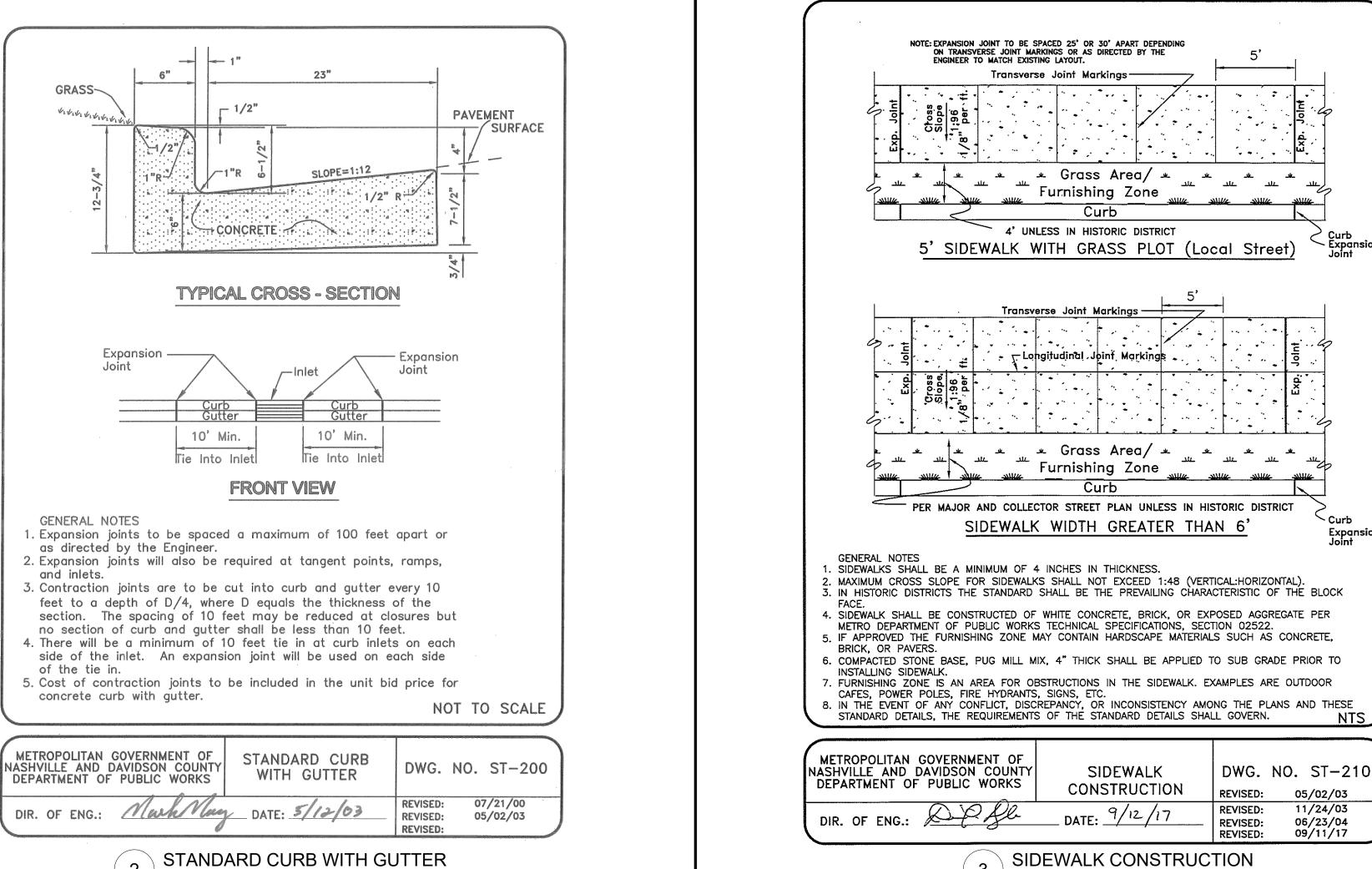
Gutter - 30

NOT TO SCALE

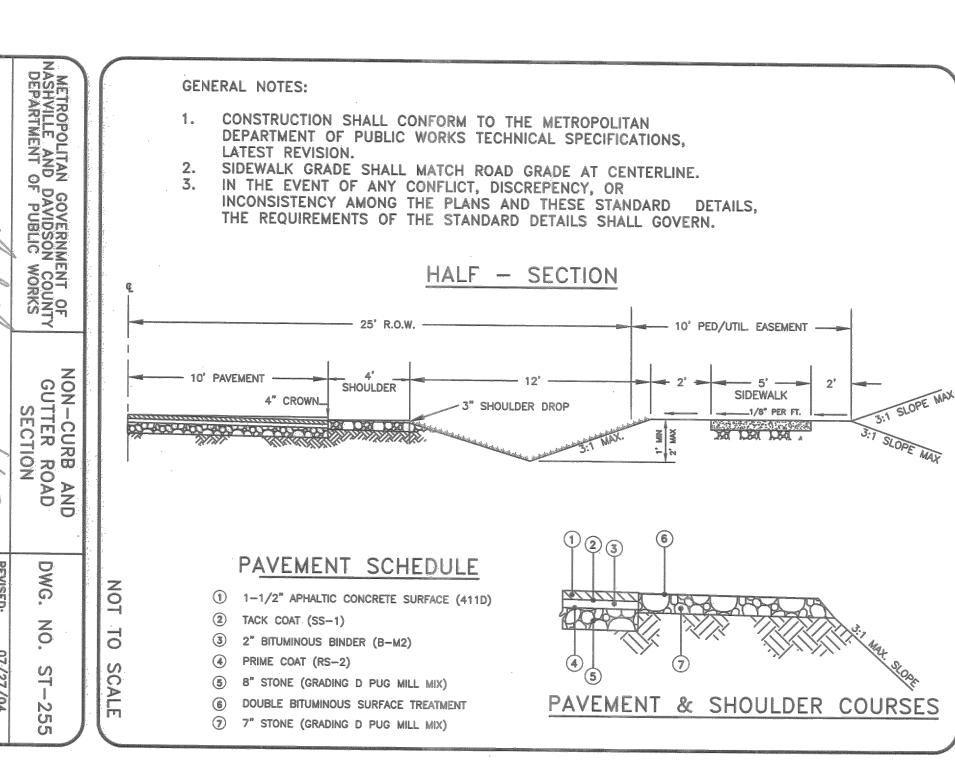
Furnishing Zone **

1:96. (1/8" per ft.)

High Side | 5' Minimum | Low Side



SIDEWALK CONSTRUCTION NOT TO SCALE



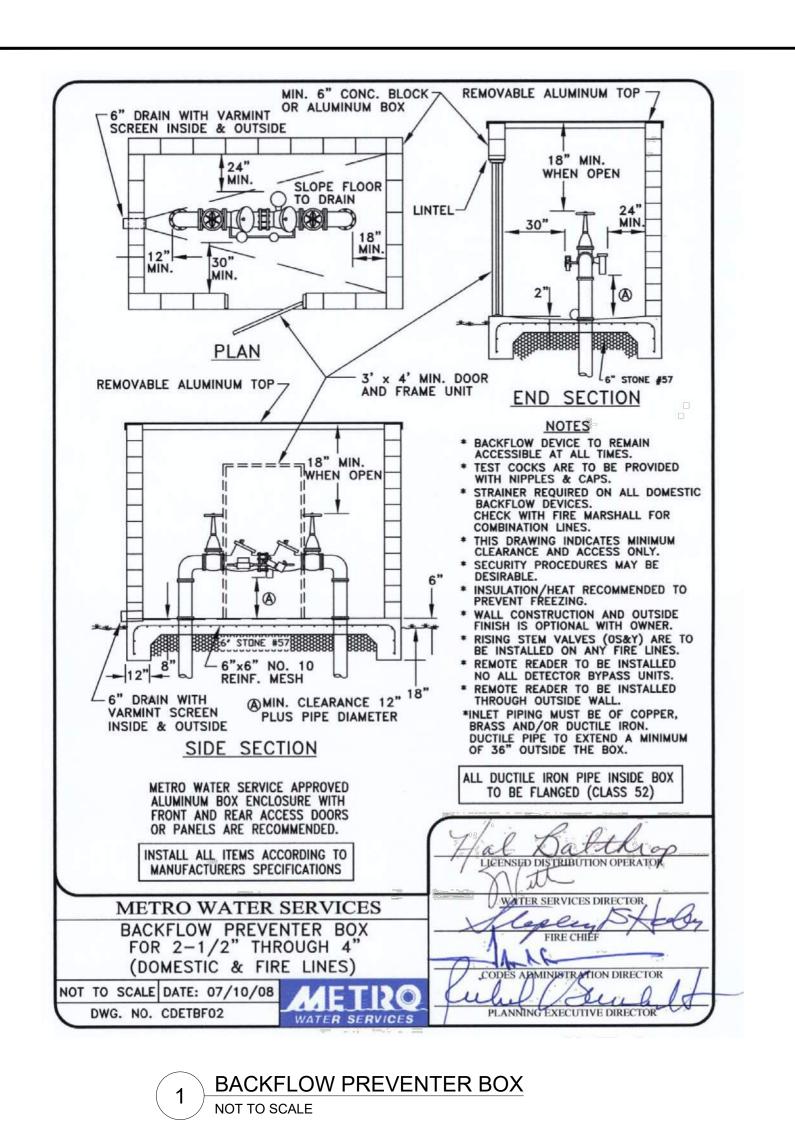
NON-CURB AND GUTTER ROAD SECTION NOT TO SCALE

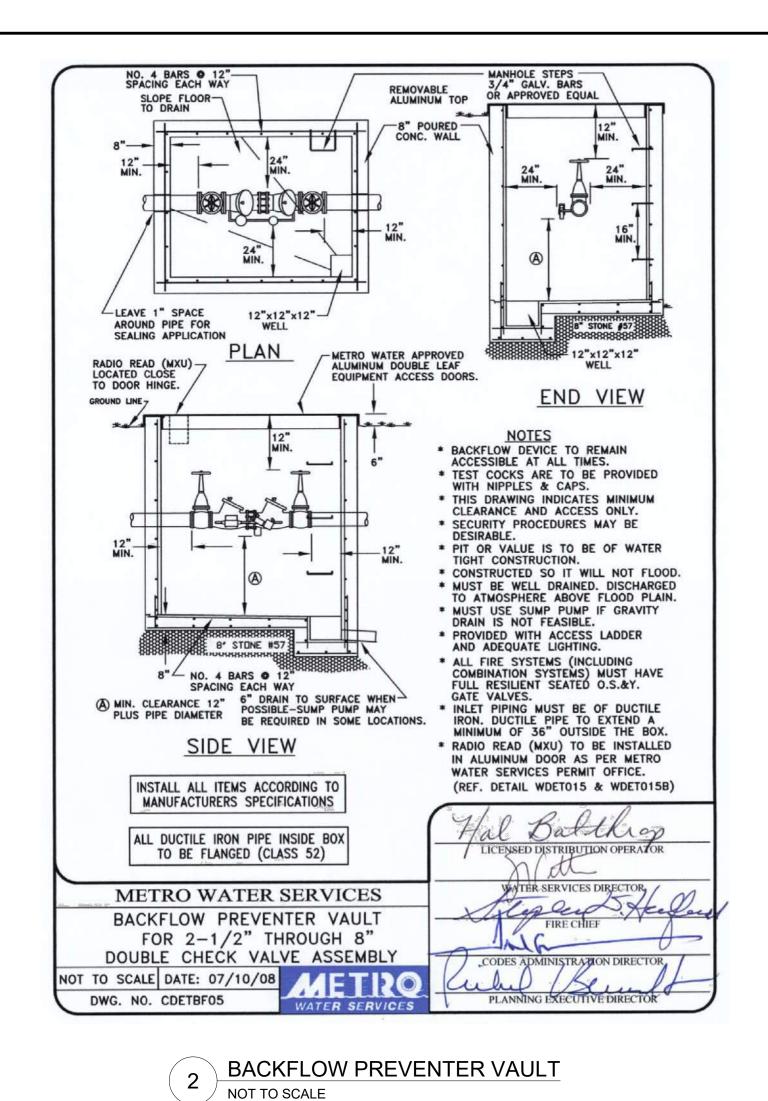
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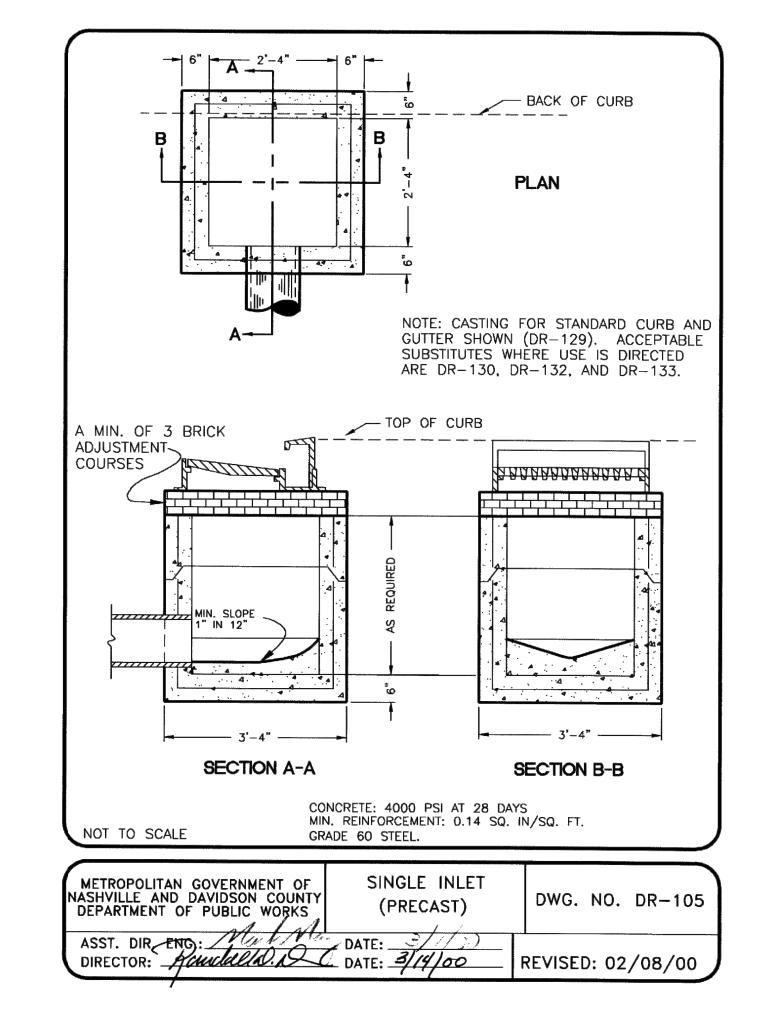
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SHEET NUMBER C6-00









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DATE

12/01/2020

SCALE AS SHOWN

DESIGNED BY ET

DRAWN BY KP

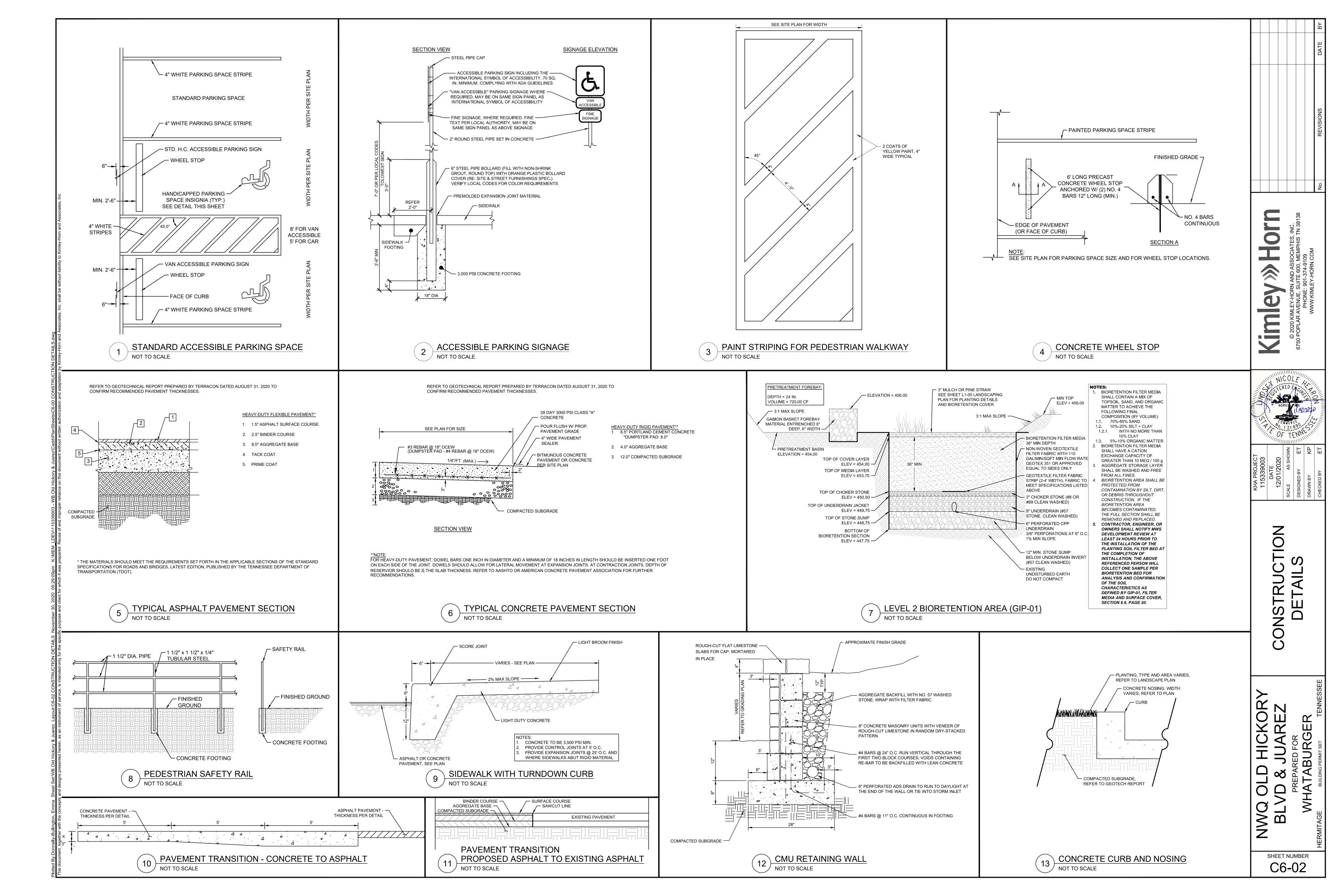
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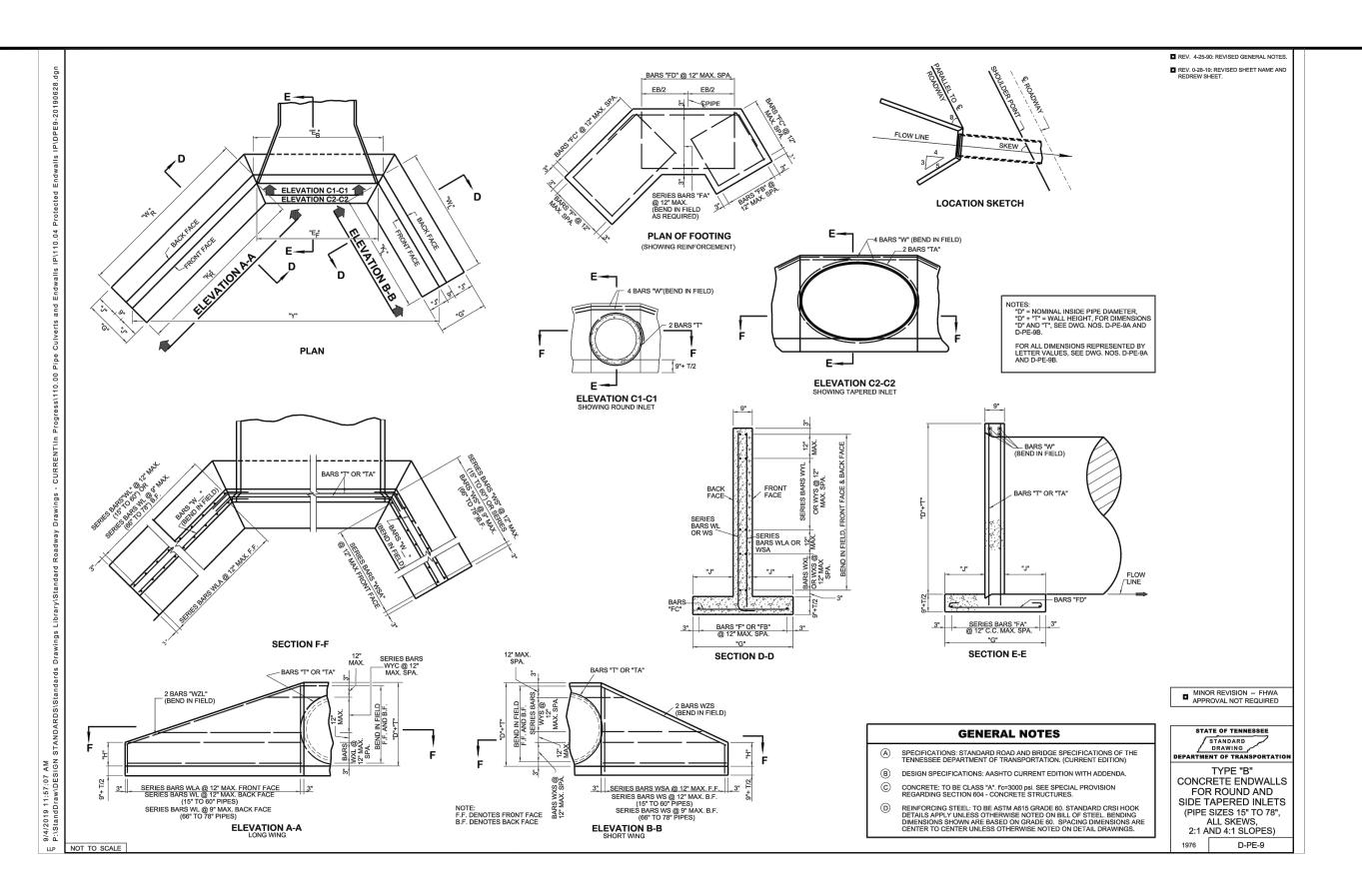
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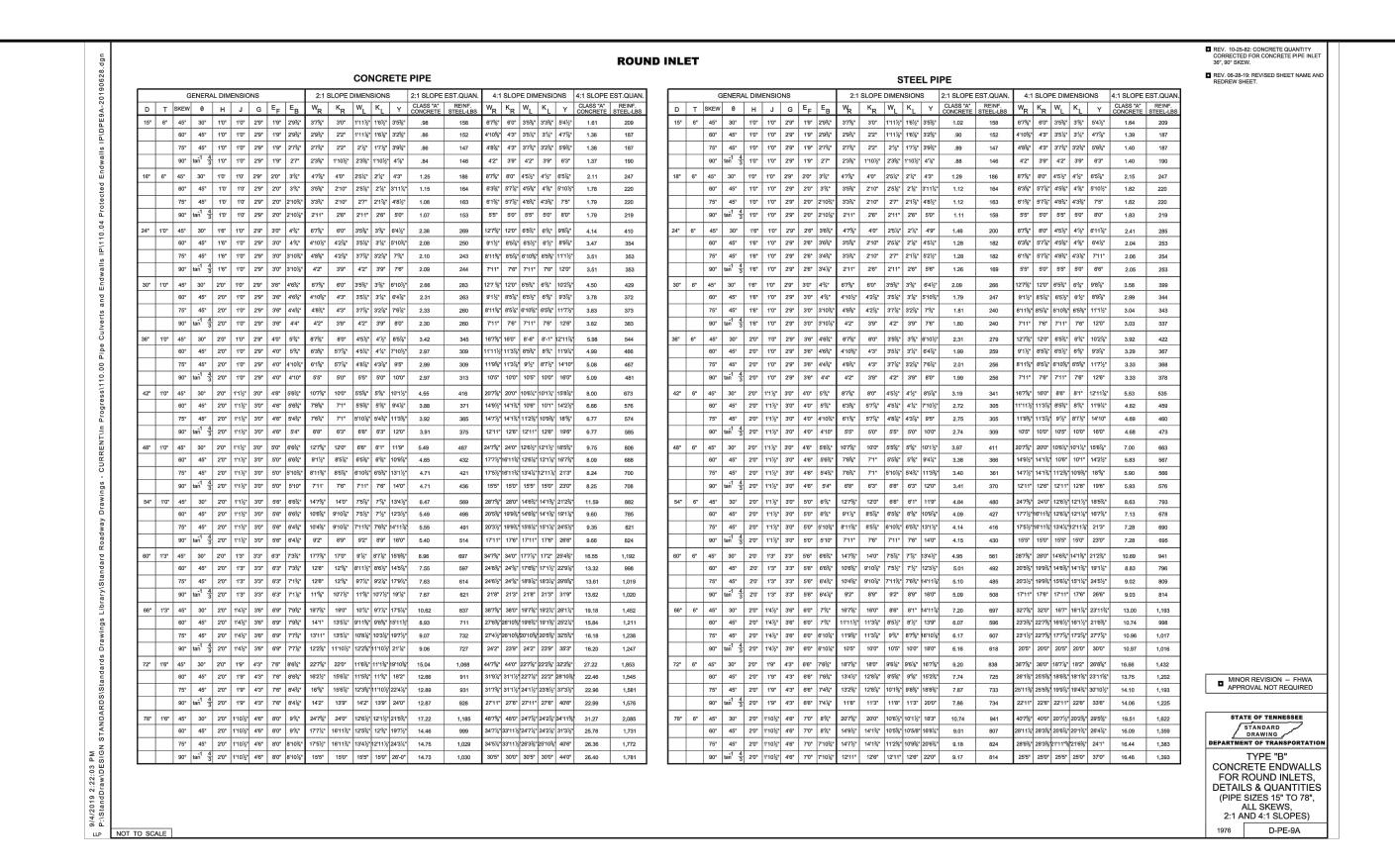
SONSTRUCTION DETAILS

NWQ OLD HICKORY
BLVD & JUAREZ
PREPARED FOR
WHATABURGER

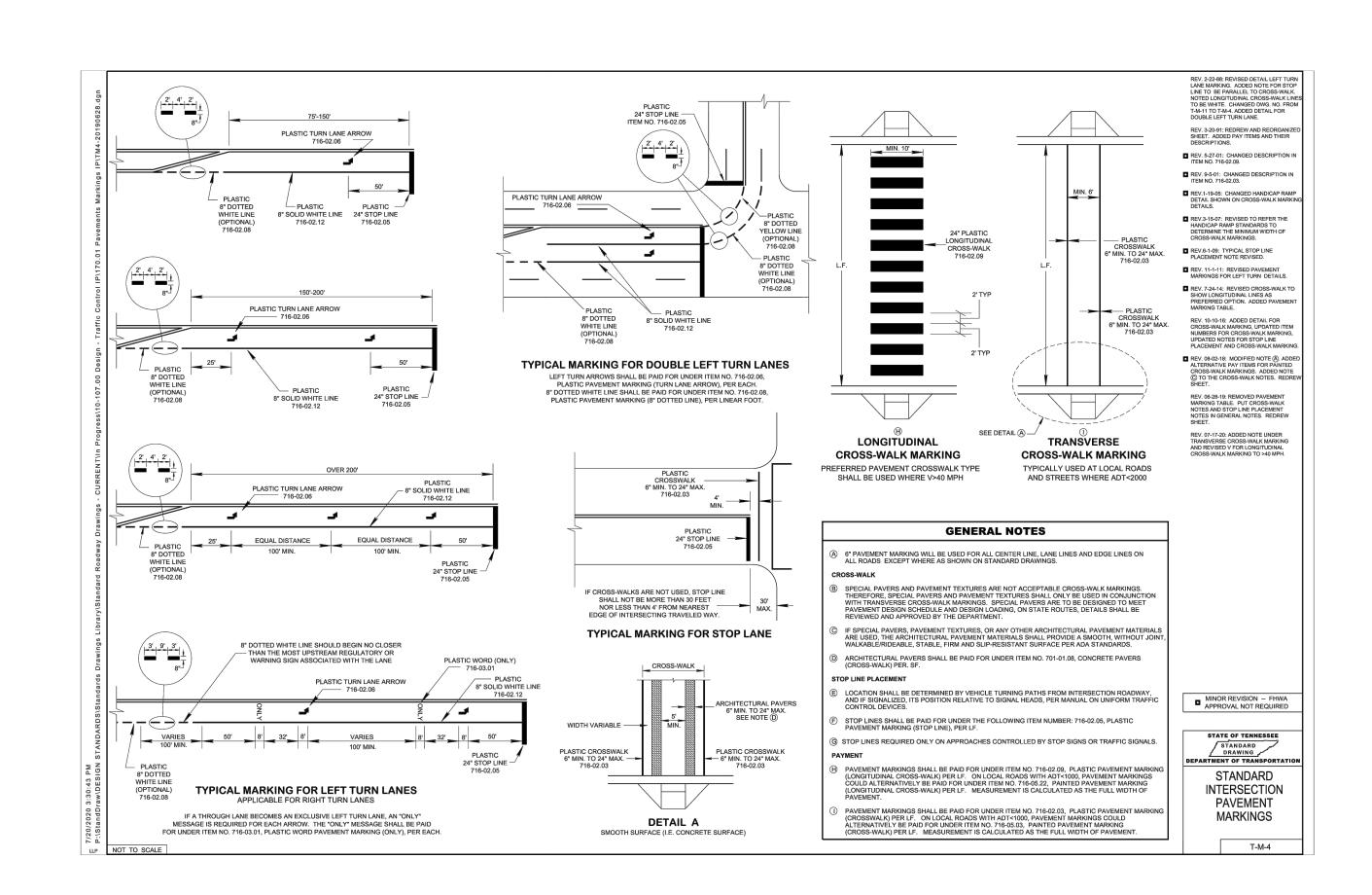
SHEET NUMBER
C6-01







TDOT TYPE "B" CONCRETE ENDWALL





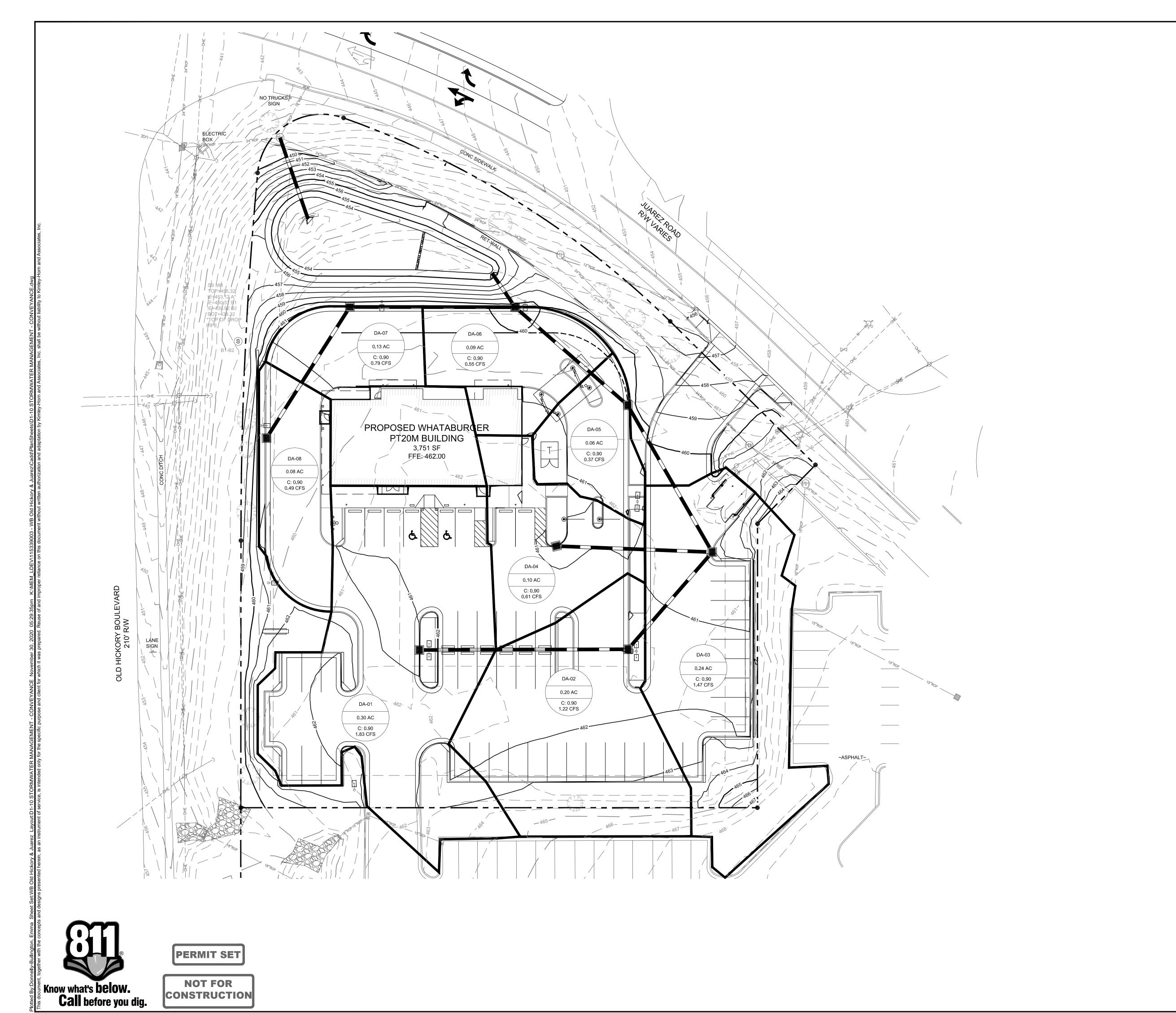
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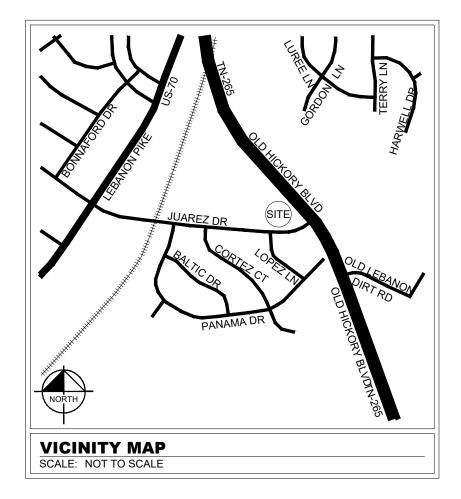
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STRUC

HICKOR

SHEET NUMBER C6-03





10-year	Area (ac)		Time of Concentration		
i=6.79	()	Rational C	(min)	(cfs)	
DA-01	0.30	0.90	5	1.83	
DA-02	0.20	0.90	5	1.22	
DA-03	0.24	0.90	5	1.47	
DA-04	0.10	0.90	5	0.61	
DA-05	0.06	0.90	5	0.37	
DA-06	0.09	0.90	5	0.55	
DA-07	0.13	0.90	5	0.79	
DA-08	0.08	0.90	5	0.49	
100-year	A ()	Runoff Coefficient -	Time of Concentration	Peak Flow	
i=8.80	Area (ac)	Rational C	(min)	(cfs)	
DA-01	0.30	0.90	5	2.38	
DA-02	0.20	0.90	5	1.58	
DA-03	0.24	0.90	5	1.90	
DA-04	0.10	0.90	5	0.79	
DA-05	0.06	0.90	5	0.48	
DA-06	0.09	0.90	5	0.71	
DA-07	0.13	0.90	5	1.03	
DA-08	0.08	0.90	5	0.63	



STORMWATER MANAGEMENT -CONVEYANCE

NWQ OLD HICKORY
BLVD & JUAREZ
PREPARED FOR
WHATABURGER

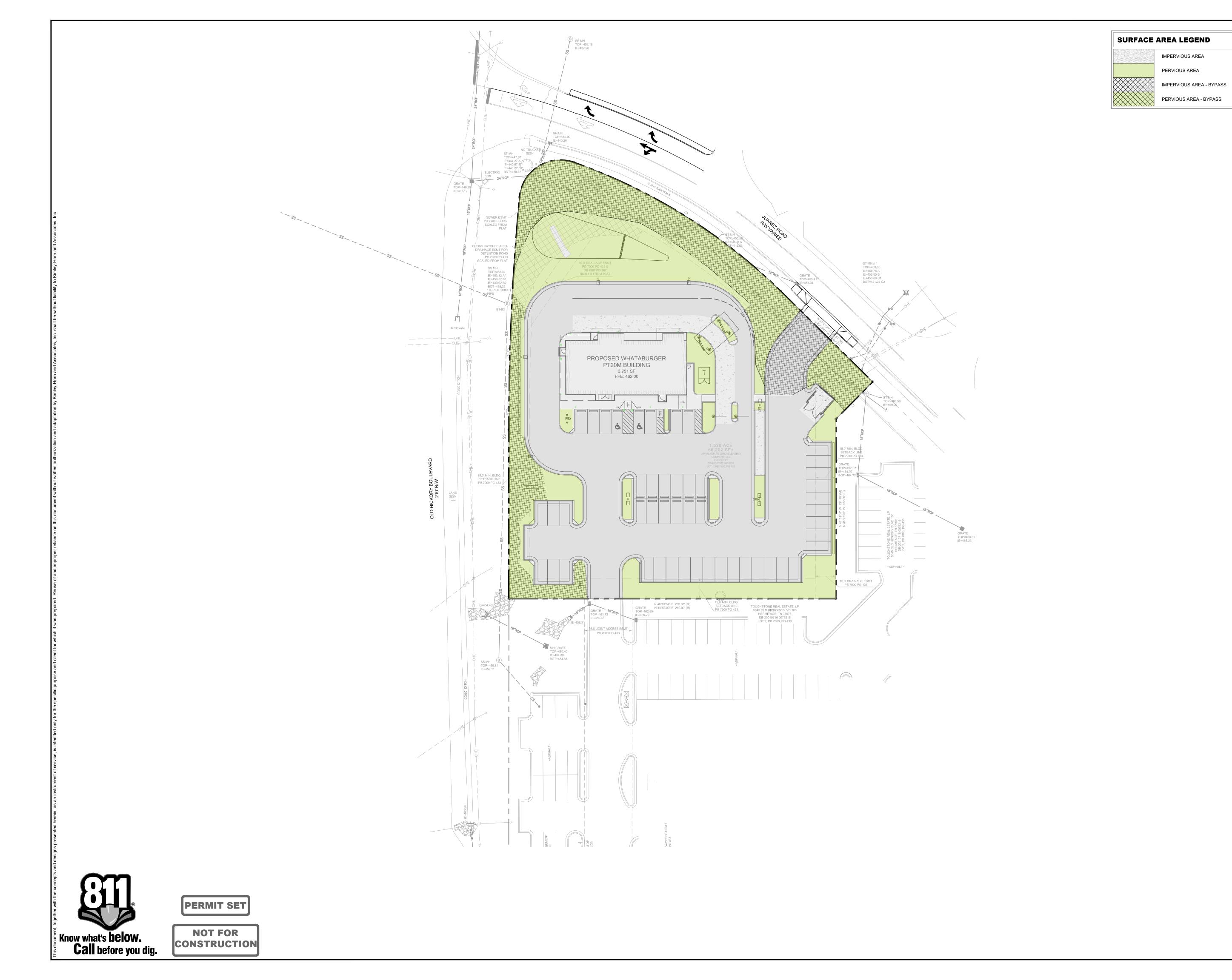
SHEET NUMBER
D1-10

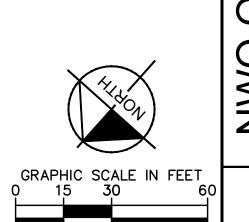


NWQ OLD HICKORY
BLVD & JUAREZ
PREPARED FOR
WHATABURGER

SHEET NUMBER D1-20

- PRE





0.92 AC

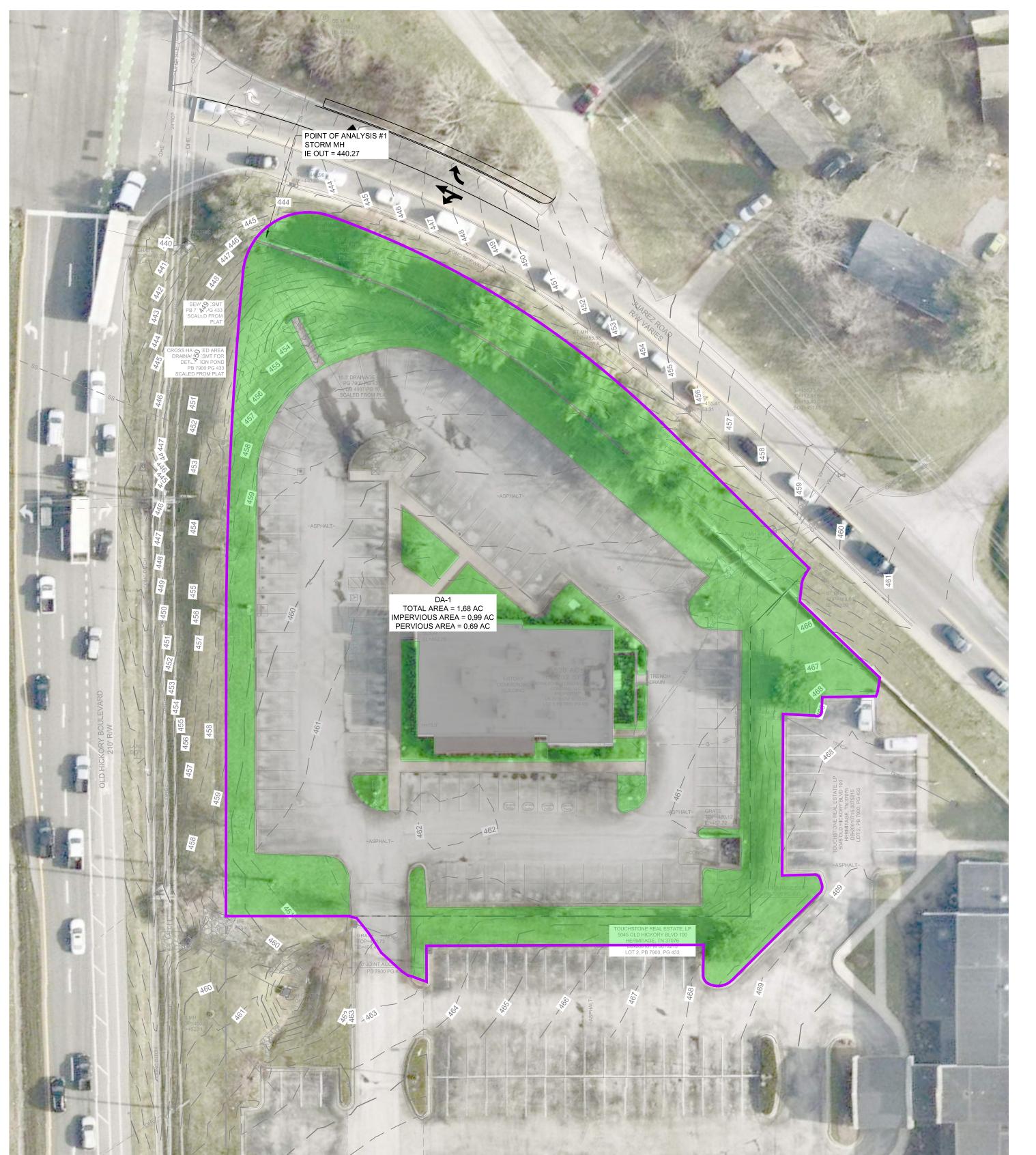
0.37 AC

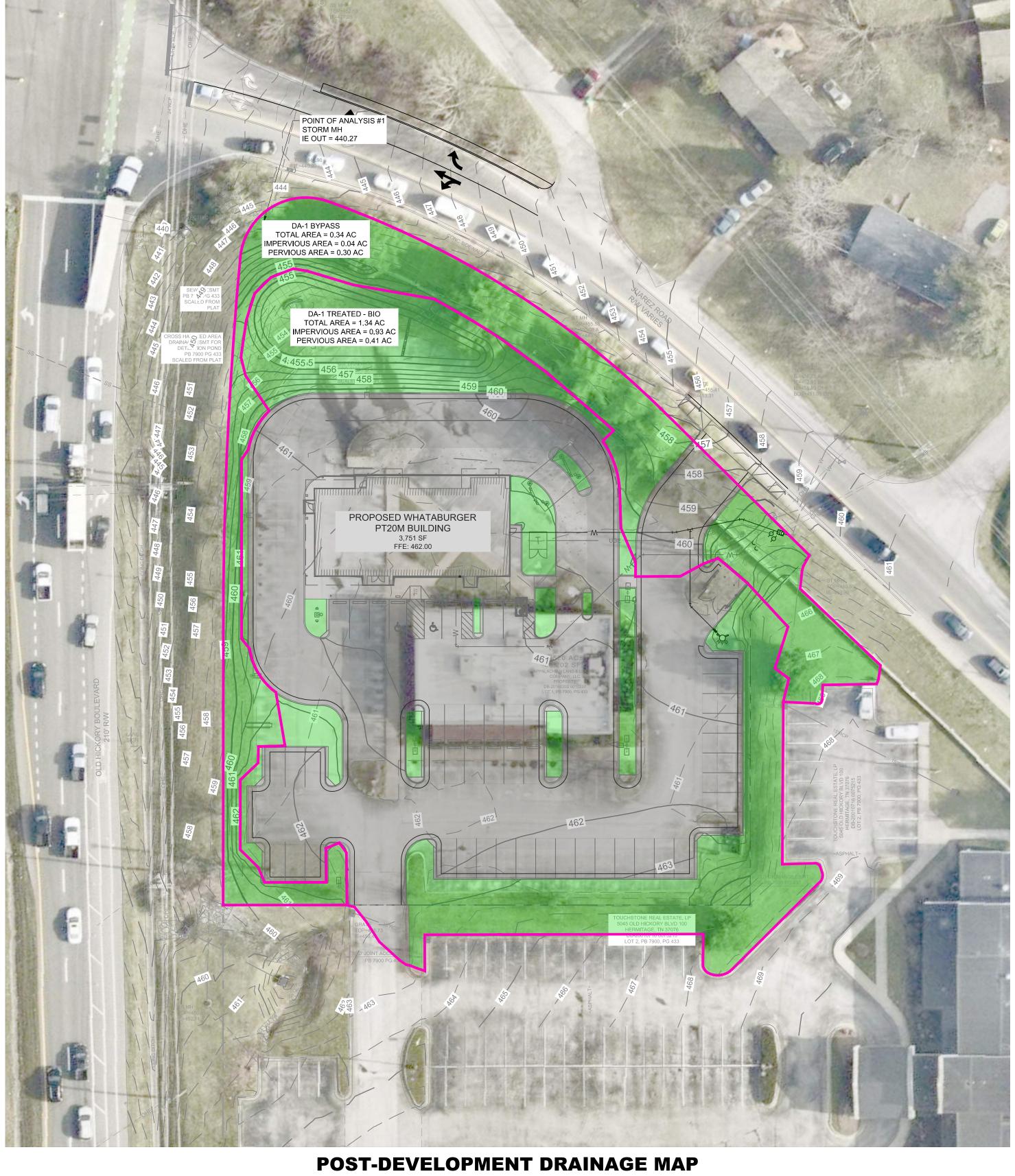
0.04 AC

0.19 AC

NWQ OLD HICKORY
BLVD & JUAREZ
PREPARED FOR
WHATABURGER SHEET NUMBER
D1-21

MANAGEMENT - POST WATER QUALITY





PRE-DEVELOPMENT DRAINAGE MAP

LEGEND	SCS CN	HATCH/LINE TYPE
IMPERVIOUS SURFACE (IA)	98	
TURF A SOIL (TA)	49	
PRE-DEVELOPMENT TC FLOW PATH	NA	

DRAINAGE AREA	PRE-DEVELOPMENT TC (MIN)	POST-DEVELOPMENT TC (MIN)
DA-1	5	5

DRAINAGE AREA	PRE-DEVELOPMENT TC (MIN)	POST-DEVELOPMENT TC (MIN)
DA-1	5	5

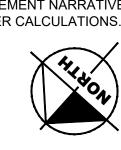
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NOT FOR CONSTRUCTION

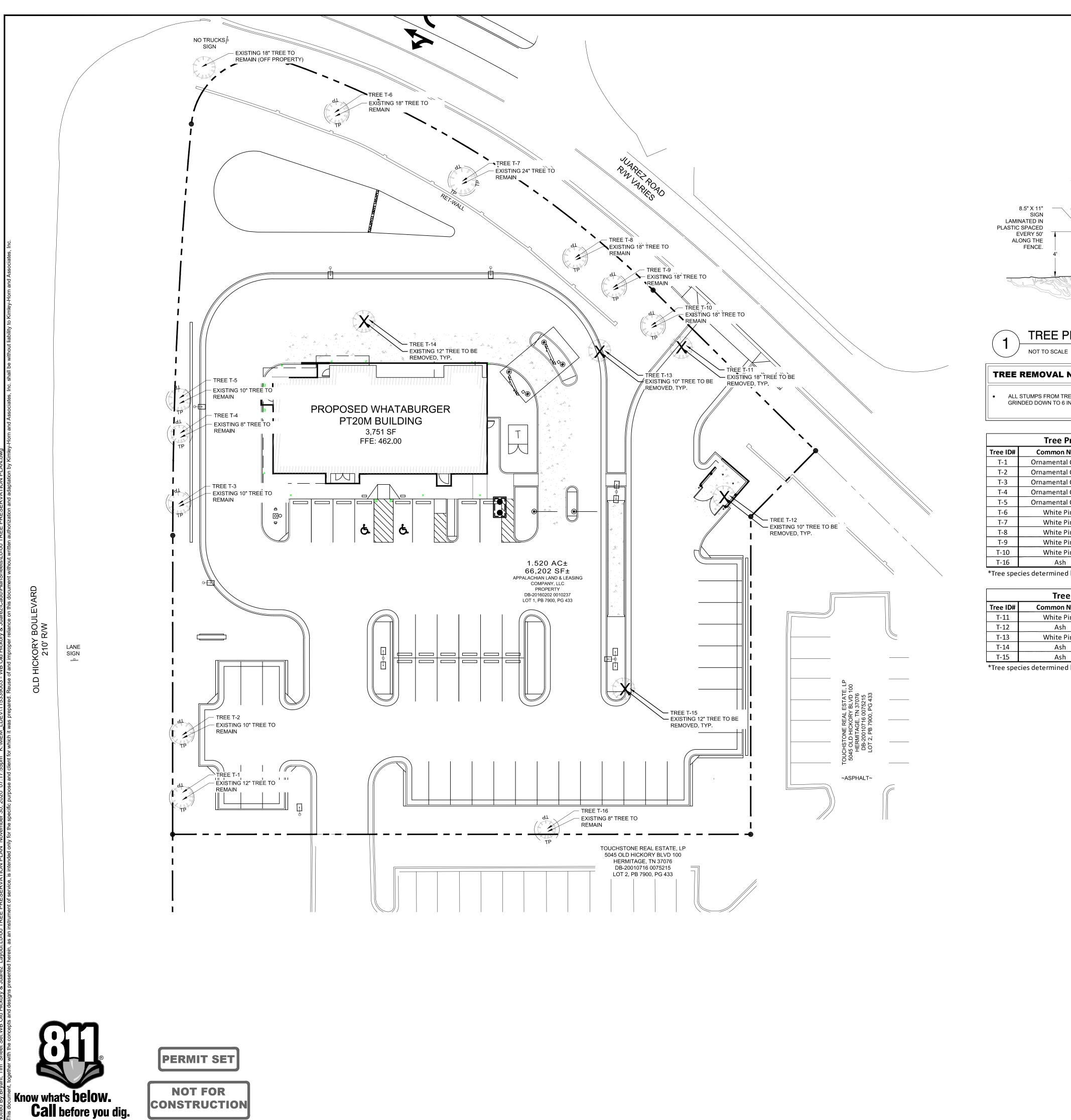
Know what's **below. Call** before you dig.

SITE WATERSHED SUMMARY								
PRE-DEVELOPMENT POST-DEVELOPME						OPMENT		
	AREA	(ACRES)		25-YR PEAK	AREA (A	ACRES)		25-YR PEAK
DRAINAGE AREA	IMPERVIOUS	PERVIOUS	SCS CN	FLOW (CFS)	IMPERVIOUS	PERVIOUS	SCS CN	FLOW (CFS)
DA-1 COMBINED	0.99	0.69	78	10.42	0.97	0.71	69*	8.130
DA-1 TREATED - BIO	N/A	N/A	N/A	N/A	0.93	0.41	73*	7.265
DA-1 BYPASS	N/A	N/A	N/A	N/A	0.04	0.30	55	0.915

NOTE:
*THIS CN INCLUDES LID ADJUSTMENT. SEE HYDRAFLOW
REPORT AND STORMWATER MANAGEMENT NARRATIVE
FOR BREAKDOWN OF CURVE NUMBER CALCULATIONS.



SHEET NUMBER D1-30



SEE TREE PRESERVATION PLAN FOR FENCE ALIGNMENT. TREE PROTECTION FENCE: 4' CHAIN LINK FENCE 2" X 6' STEEL POSTS OR APPROVED EQUAL. 5" THICK LAYER OF MULCH. MAINTAIN EXISTING GRADE WITH THE TREE PROTECTION FENCE UNLESS OTHERWISE INDICATED ON THE PLANS.

CROWN DRIP LINE OR OTHER LIMIT OF TREE PROTECTION AREA.

TREE PROTECTION FENCING

TREE REMOVAL NOTE ALL STUMPS FROM TREES REMOVED FROM THE SITE ARE TO BE GRINDED DOWN TO 6 INCHES BELOW GRADE.

Tree Preservation Table							
Tree ID#	Common Name	DBH (inches)	Heritage Tree				
T-1	Ornamental Cherry	12	No				
T-2	Ornamental Cherry	10	No				
T-3	Ornamental Cherry	10	No				
T-4	Ornamental Cherry	8	No				
T-5	Ornamental Cherry	10	No				
T-6	White Pine	18	No				
T-7	White Pine	24	No				
T-8	White Pine	18	No				
T-9	White Pine	18	No				
T-10	White Pine	18	No				
T-16	Ash	8	No				

*Tree species determined by online imagery

	Tree Removal Table							
Tree ID#	Common Name	DBH (inches)	Heritage Tree?					
T-11	White Pine	18	No					
T-12	Ash	10	No					
T-13	White Pine	10	No					
T-14	Ash	12	No					
T-15	Ash	12	No					

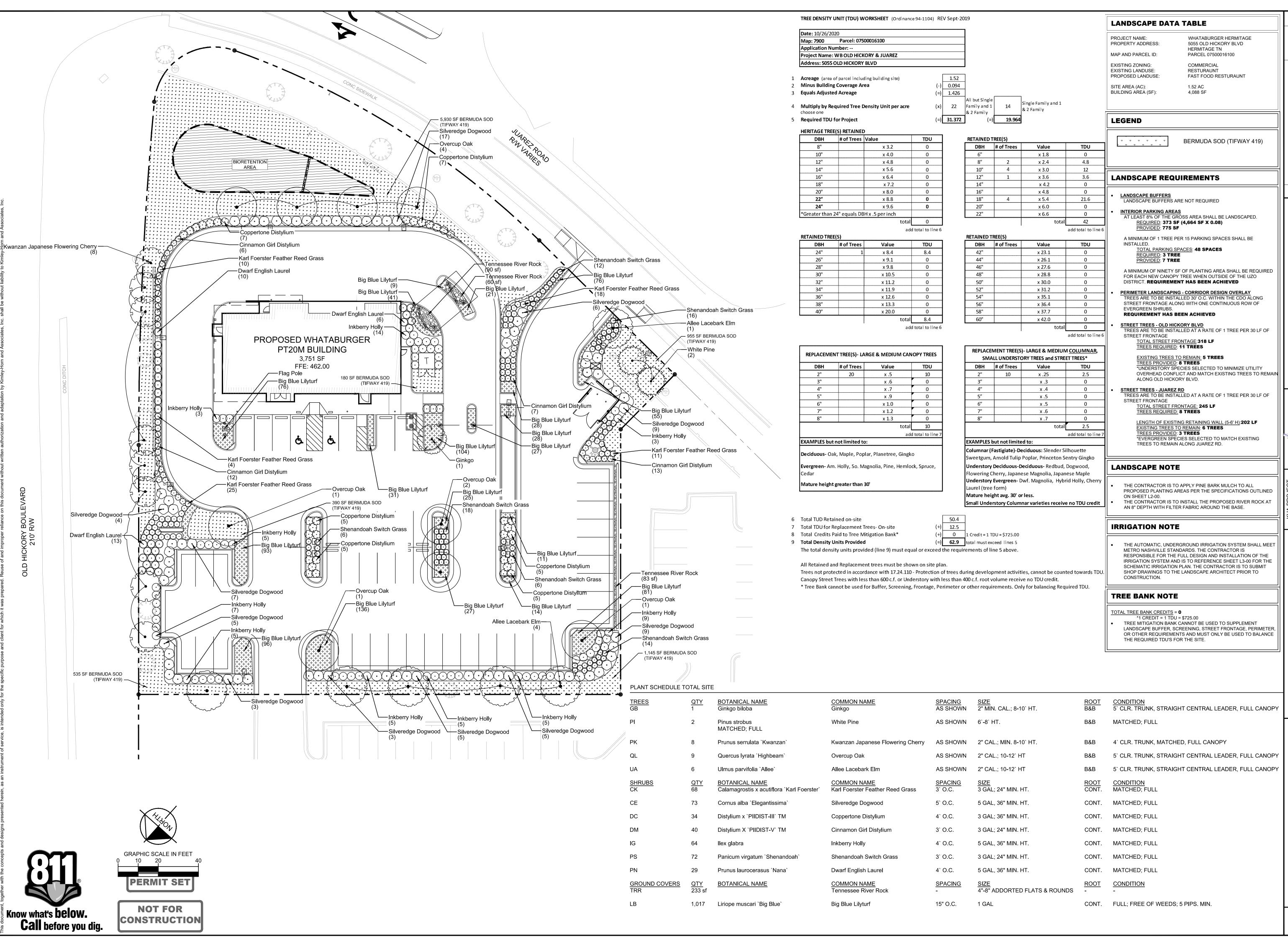
*Tree species determined by online imagery

PLAN

SHEET NUMBER L0-00

CONSTRUCTION

K:\MEM_LDEV\115339003 - WB Old Hickory & Juarez\Cadd\PDF\2020-11-30_Landscape Plan



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S

AND

SHEET NUMBER L1-00

River Birch Multi-Trunk

Heavy Metal Switch Grass (60)



BIORETENTION REQUIREMENTS

BIORETENTION AREA
BIORETENTION SIZE:
REQUIRED TREES (1 TREE PER 400 SF):

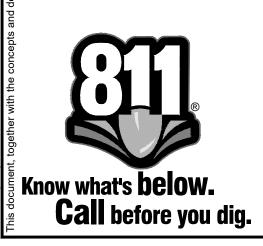
1,729 SF 4 TREES

TREES PROVIDED:

ALL BIORETENTION AREAS TO MEET METRO NASHVILLE MINIMUM STANDARDS FOR TREES, SHRUBS AND GROUNDCOVER. SHRUBS AND GROUNDCOVER TO BE DESIGNED DURING THE CONSTRUCTION DOCUMENT PHASE. PER GIP-01

PLANT SCHEDULE SWM FACILITY 1

TREES BN	QTY 4	BOTANICAL NAME Betula nigra	COMMON NAME River Birch Multi-Trunk	SPACING AS SHOWN	SIZE 2" CAL PER STEM; 10` MIN HT.	ROOT B&B	CONDITION 5` CLR. TRUNK; 3 - 5 STEMS, FULL CANOPY	
SHRUBS CE	<u>QTY</u> 15	BOTANICAL NAME Cornus alba `Elegantissima`	COMMON NAME Silveredge Dogwood	SPACING 5` O.C.	<u>SIZE</u> 5 GAL, 36" MIN. HT.	ROOT CONT.	CONDITION MATCHED; FULL	
IG	11	llex glabra	Inkberry Holly	4` O.C.	5 GAL, 36" MIN. HT.	CONT.	MATCHED; FULL	
PH	66	Panicum virgatum `Heavy Metal`	Heavy Metal Switch Grass	3` O.C.	3 GAL; 24" MIN. HT.	CONT.	MATCHED; FULL	
GROUND COVERS TRR	<u>QTY</u> 365 sf	BOTANICAL NAME	COMMON NAME Tennessee River Rock	SPACING -	SIZE 4"-8" ADDORTED FLATS & ROUNDS	<u>ROOT</u> -	CONDITION -	<u>SPACING</u>
AT	124	Asclepias tuberosa	Butterfly Milkweed	18" O.C.	1 GAL	CONT.	FULL; FREE OF WEEDS	18" o.c.
CG	84	Carex grayi	Gray`s Sedge	24" O.C.	1 GAL	CONT.	FULL; FREE OF WEEDS	24" o.c.



PERMIT SET **NOT FOR**

CONSTRUCTION

LANDSCAPE DATA TABLE

WHATABURGER HERMITAGE 5055 OLD HICKORY BLVD HERMITAGE TN PROJECT NAME: PROPERTY ADDRESS: MAP AND PARCEL ID: PARCEL 07500016100

COMMERCIAL RESTURAUNT FAST FOOD RESTURAUNT EXISTING ZONING: EXISTING LANDUSE: PROPOSED LANDUSE:

1.52 AC 4,088 SF

SITE AREA (AC): BUILDING AREA (SF):



LANDSC/ PLAN SWM

SHEET NUMBER L1-01

1.01 SCOPE OF WORK

- A. THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS HEREIN SPECIFIED.
- B. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER.
- C. THE CONTRACTOR SHALL CONTACT THE OWNER AND TENNESSEE ONE CALL AT (615) 351-1111, TWO (2) FULL BUSINESS DAYS PRIOR TO THE BEGINNING OF WORK.
- D. THE CITY MUST APPROVE ALL WORK HOURS AND LANE CLOSURE REQUESTS AT LEAST TWO (2) FULL WORKING DAYS IN ADVANCE OF THE START OF ANY SUCH WORK ON A LOCATION BY LOCATION BASIS. THE INDIVIDUAL(S) INSTALLING THE MAINTENANCE OF TRAFFIC SETUP SHALL HAVE COMPLETED A TDOT APPROVED WORK ZONE TRAFFIC CONTROL TRAINING COURSE. DOCUMENTATION SHALL BE FURNISHED TO THE CITY AT THE PRE-CONSTRUCTION MEETING OR PRIOR TO START OF WORK.
- E. ALL LANDSCAPE MATERIAL SHALL BE INSTALLED AND MAINTAINED IN A MANNER WHEREBY TRAFFIC CONTROL SIGNAGE AND DEVICES ARE VISIBLE TO MOTORISTS AND

.02 PROTECTION OF EXISTING STRUCTURES

OF ALL CONSTRUCTION ACTIVITIES.

- A. ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AND AT NO COST TO THE OWNER.
- B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY BMP DEVICES ACCORDING TO TDOT, COUNTY, OR CITY STANDARDS THROUGH THE DURATION
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, PRIOR TO EXCAVATION. THE OWNER AND DESIGN PROFESSIONAL SHALL NOT BE RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF ANY SUCH INFORMATION OR DATA, AND THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA, FOR LOCATING ALL UNDERGROUND FACILITIES DURING CONSTRUCTION, FOR THE SAFETY AND PROTECTION THEREOF, AND REPAIRING ANY DAMAGE THERETO RESULTING FROM THE WORK. THE COST OF COMPLIANCE WITH THIS SECTION WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. THE CONTRACTOR SHALL NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
- 1.03 PROTECTION OF EXISTING PLANT MATERIALS OUTSIDE LIMIT OF WORK
- A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC. THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED ON SITE. EXISTING TREES KILLED OR DAMAGED SO THAT THEY ARE MISSHAPEN AND/OR UNSIGHTLY SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF ONE HUNDRED DOLLARS (\$100) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY (20) PERCENT PER INCH OVER FOUR (4) INCHES CALIPER AS FIXED AND AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND TWELVE (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCHES IN CALIPER.

MATERIALS

A. GENERAL

MATERIAL SAMPLES LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL, ON SITE OR AS DETERMINED BY THE LANDSCAPE ARCHITECT. UPON APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.

ONE (1) CUBIC FOOT TOPSOIL MIX ONE (1) CUBIC FOOT

ONE (1) OF EACH VARIETY (OR TAGGED IN NURSERY) PLANTS

PLANT MATERIALS

- 1. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS AS SET FORTH IN ANSI Z60.1-2014-AMERICAN STANDARD FOR NURSERY STOCK. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS, INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY WITH APPROVAL FROM OWNER OR LANDSCAPE ARCHITECT. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE LANDSCAPE ARCHITECT.
- MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE ROOTBALL OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.
- INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY; SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)

- A. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF ½ LOOSE COMPOST (NO GREATER THAN 1" SIV), ½ PEAT AND ½ SAND, AS DESCRIBED BELOW. B. TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND A PH BETWEEN 5.5 AND 7.0 - SUBMIT SAMPLE AND PH TESTING RESULTS FOR APPROVAL.
- C. SAND SHALL BE COARSE, CLEAN, WELL-DRAINING, NATIVE SAND. CONTRACTOR SHALL SUBMIT RESULTS OF SOIL TESTS FOR TOPSOIL AND SAND PROPOSED FOR APPROVAL BY THE OWNER.
- D. TREES SHALL BE PLANTED IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE, AT WHICH POINT THE CONTRACTOR SHALL CONTACT OWNER'S REPRESENTATIVE TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING.
- E. CONTRACTOR TO SUBMIT SAMPLES OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.

A. WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL. NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER. IF AVAILABLE AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC. IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.

* WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY FERTILIZER

A. CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.

- A. MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A DEPTH OF THREE (3) INCHES FOR ALL PLANTINGS UNLESS OTHERWISE NOTED. MULCH AT ALL PLANTING BEDS SHALL BE PINE BARK MULCH.
- A. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL
- B. BALLED AND BURLAPPED PLANTS (B&B) SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE
- PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS SHALL NOT BE HANDLED BY STEMS. . EXCAVATION OF TREE PITS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE. ELEMENTS, FOOTERS AND PREPARED SUB-BASES. ALL TREES SHALL BE PLANTED AS INDICATED ON DRAWINGS. COORDINATE WITH PLANTING DETAILS FOR EXACT DEPTH

CONTAINER GROWN STOCK

DIGGING AND HANDLING

A. ALL TREES SPECIFIED SHALL BE BALL AND BURLAP, UNLESS OTHERWISE APPROVED BY LANDSCAPE ARCHITECT.

* FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

B. ALL SHRUB SPECIES SHALL BE CONTAINER GROWN.

- C. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.
- D. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER
- GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS E. PLANT ROOTS BOUND IN CONTAINERS ARE NOT ACCEPTABLE.

A. QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO BIDDING OR INSTALLATION. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE.

- A. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN DISTURBED DURING CONSTRUCTION. B. THE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH DEPTH. CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.
- C. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES, IF APPLICABLE

1 13 PLANTING PROCEDURES

- A. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER DAILY. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, CONTRACTOR SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.
- B. SUBGRADE EXCAVATION: THE CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36" AT TREES AND 18" AT SHRUBS AND PERENNIALS. CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISH GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36", AND DEEP EXCAVATION BY THE CONTRACTOR AND POSITIVE DRAINAGE CANNOT BE ACHIEVED, THE CONTRACTOR SHALL UTILIZE PLANTING DETAIL THAT
- C. VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER SYSTEMS, CABLE, AND TELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES. CONTACT TENNESSEE ONE CALL AT (615) 351-1111 TO
- D. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS HEREIN SPECIFIED AND REQUIRED. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.
- E. GENERAL: COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE, PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ON-SITE SHALL NOT REMAIN UNPLANTED OR APPROPRIATELY HEALED IN FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.
- F. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.
- G. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH ANSI Z60.1-2014 AMERICAN STANDARD FOR NURSERY STOCK, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACK FILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION 1.05. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN.
- H. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES.
- SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION 1.05 OF THESE SPECIFICATIONS.
- J. TREES AND SHRUBS SHALL BE SET STRAIGHT AT AN ELEVATION THAT, AFTER SETTLEMENT, THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. PLANTING SOIL MIXTURE SHALL BE BACK FILLED, THOROUGHLY TAMPED AROUND THE BALL, AND SETTLED BY WATER (AFTER TAMPING).
- K. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. MATERIALS INSTALLED SHALL MEET MINIMUM SPECIMEN REQUIREMENTS OR QUANTITIES SHOW ON PLANS, WHICHEVER IS GREATER. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 12", REMOVE AND DISPOSE ALL DEBRIS. COORDINATE WITH PLANTING DETAILS FOR EXACT DEPTH. MIX TOP 4" OF THE PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION 1.05.
- . TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE PROJECT LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE PROJECT LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.
- M. HERBICIDE WEED CONTROL: ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER, "ROUND-UP" SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S PRECAUTIONS AND SPECIFICATIONS. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER (AS ALLOWED BY JURISDICTIONAL AUTHORITY).

1 14 LAWN SODDING

- A. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A TURF GRASS LAWN ACCEPTABLE TO THE OWNER.
- B. LAWN BED PREPARATION: ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, AND DEBRIS BY MEANS OF A SOD CUTTER TO A DEPTH OF THREE (3) INCHES, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE ENTIRE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT SHALL BE FILLED WITH ADDITIONAL SOIL, AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE.
- C. SOIL PREPARATION: PREPARE LOOSE BED FOUR (4) INCHES DEEP. HAND RAKE UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY. D. SODDING
- 1. THE CONTRACTOR SHALL SOD ALL DISTURBED AREAS WITHIN THE CONTRACT LIMITS NOT COVERED BY HARDSCAPE OR VEGETATIVE MATERIAL, UNLESS SPECIFICALLY NOTED OTHERWISE.
- 2. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA. SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS, PAVED AND PLANTED AREAS. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN. FERTILIZE INSTALLED SOD AS ALLOWED BY PROPERTY'S JURISDICTIONAL
- 3. DURING DELIVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE HEAT AND MOISTURE. E. LAWN MAINTENANCE
- 1. WITHIN THE CONTRACT LIMITS. THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS (LARGER THAN 12"X12") UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING RE-GRADING IF NECESSARY)
- 2. CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SOD/LAWN UNTIL ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PRIOR TO AND UPON ACCEPTANCE, CONTRACTOR TO PROVIDE WATERING/IRRIGATION SCHEDULE TO OWNER. OBSERVE ALL APPLICABLE WATERING RESTRICTIONS AS SET FORTH BY THE PROPERTY'S JURISDICTIONAL AUTHORITY

1.15 CLEANUP

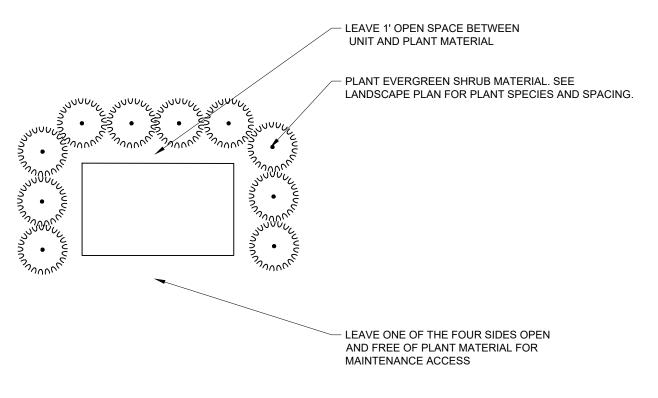
A. UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE BROOM-CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S

1.16 PLANT MATERIAL MAINTENANCE

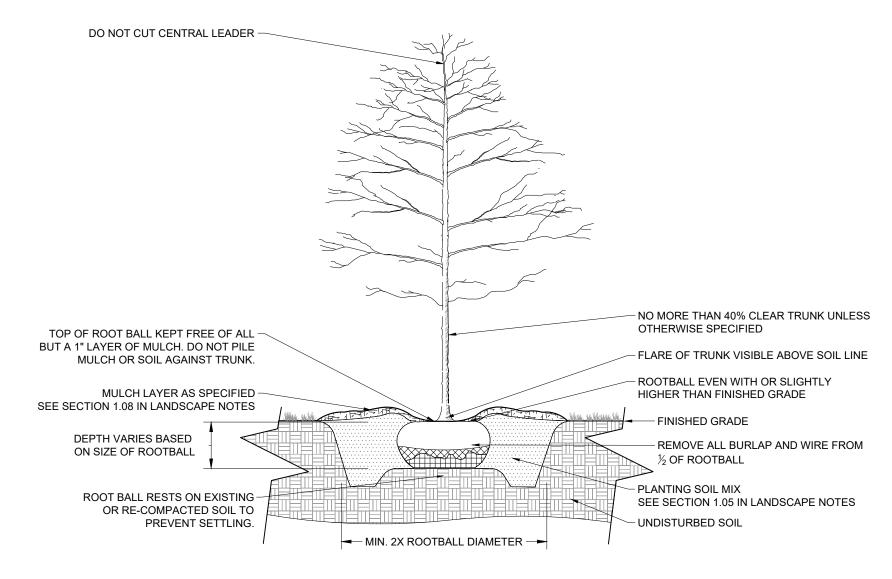
A. ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING GUY SUPPORTS) NECESSARY TO INSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE.

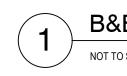
1.17 FINAL INSPECTION AND ACCEPTANCE OF WORK

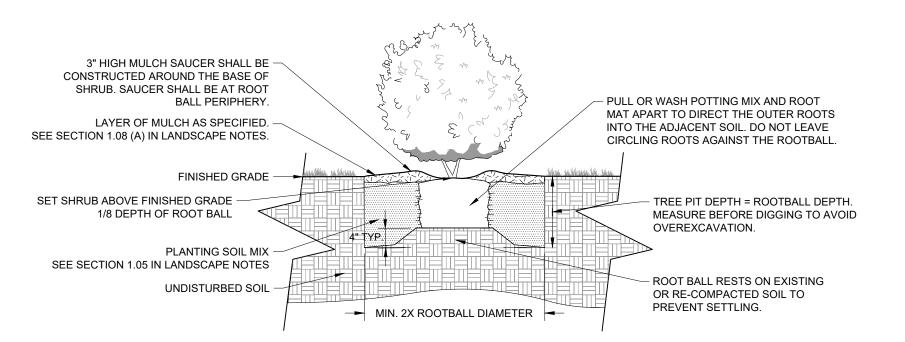
- A. FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.
- A. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED (INCLUDING SOD) BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTIED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE
- B. REPLACEMENT: ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION DURING THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED WITHIN TEN (10) DAYS OF NOTICE, OR BETWEEN SEPTEMBER-NOVEMBER, MARCH-MAY. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED. PLANTED AND MULCHED AS SPECIFIED AT NO ADDITIONAL COST TO THE OWNER.
- C. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE MAINTENANCE, THE CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE (1) YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER, AND SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH. IT IS SUGGESTED SUCH SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.



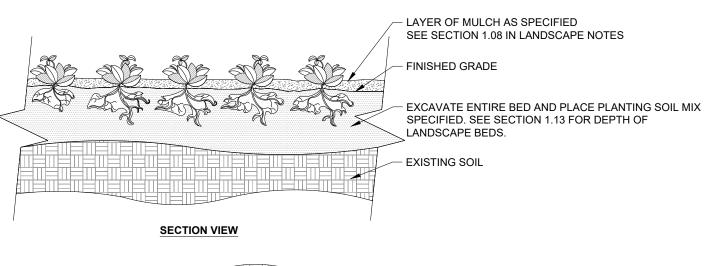


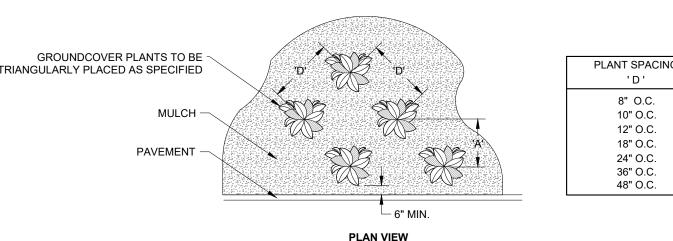






CONTAINER SHRUB PLANTING





SEE PLANTING LEGEND FOR GROUNDCOVER SPECIES, SIZE, AND SPACING DIMENSION SETTLE SOIL AROUND ROOT BALL OF EACH GROUNDCOVER PRIOR TO MULCHING.

6.93" O.C.

8.66" O.C.

10.4" O.C.

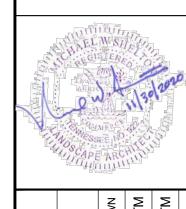
15.6" O.C.

20.8" O.C.

30.0" O.C.

31.5" O.C.





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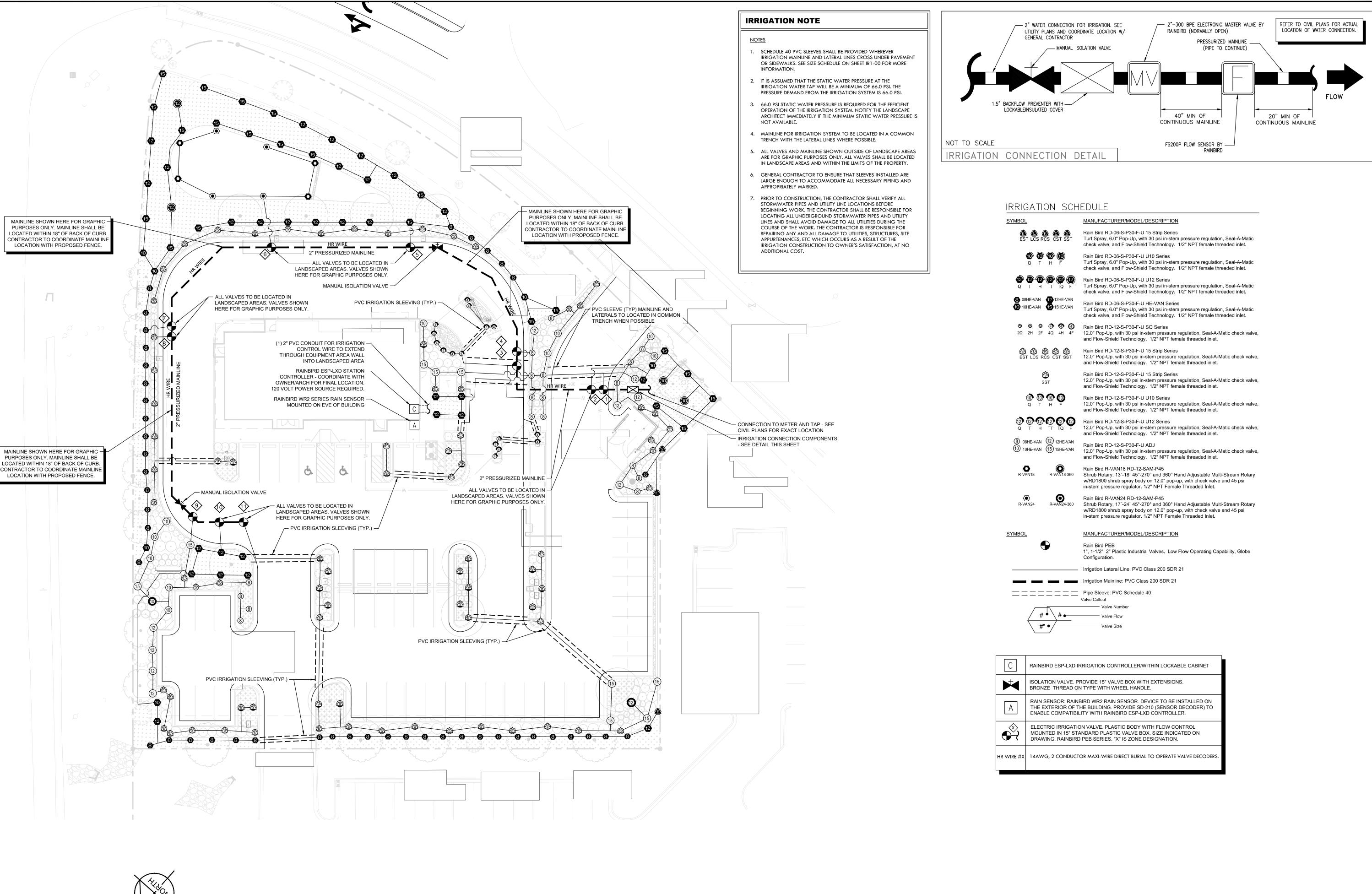
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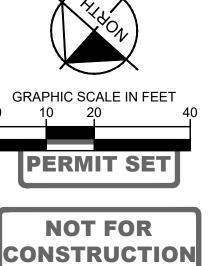








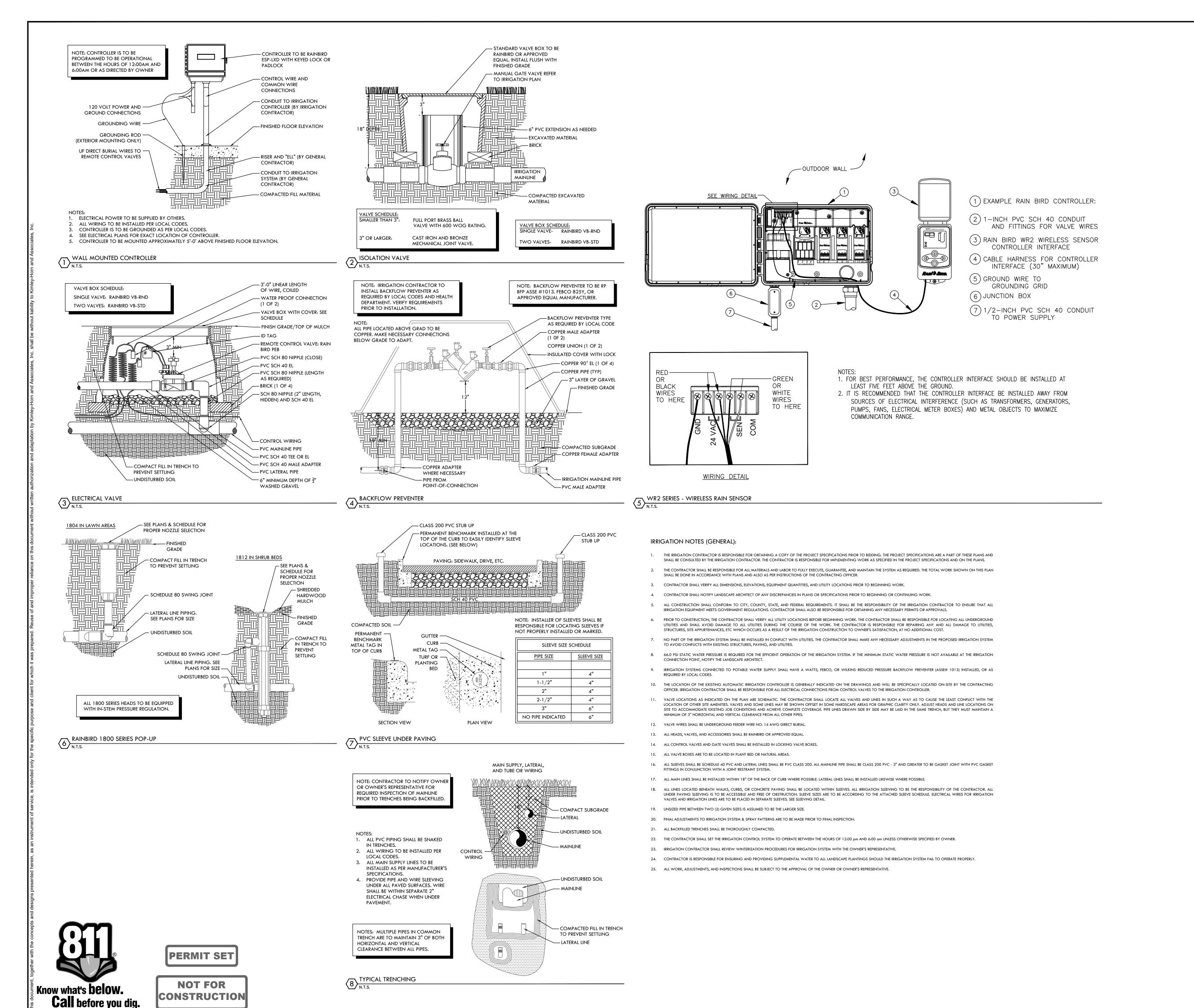
Know what's below.
Call before you dig.



BLVI

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SHEET NUMBER IR1-00



SHEET NUMBER

INCH (-ES)

INTERIOR

INFORMATION

INFO

INT

WITH

WITHOUT

WORK POINT

FLANGE BEAM

WEIGHT, STRUCTURAL TEE CUT FROM WIDE

W/O



Wallace Engineering Structural Consultants, Inc.

REFERENCED STANDARD

ACI 318: 3.5, 7.1-7.7

AWS D1.4, ACI 318: 3.5.2

ACI 318: 3.8.6, 8.1.3, 21.2.8

ASTM C 172, ASTM C31, ACI 318: 5.6, 5.8

ACI 318: CH. 4, 5.2-5.4

ACI 318: 5.9, 5.10

ACI 318: 5.11-5.13

ACI 318: 6.1.1

ACI 318: 6.2

AISC 360 CH. N

AISI 240 CH. D

ACI 318: 8.1.3, 21.2.8

IBC REFERENCE

1910.4

1909.1

1910.10

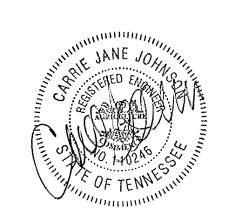
1910.9

1908.5, 1909.1

1904.2, 1910.2, 1910.3

1910.6, 1910.7, 1910.8

Structural and Civil Consultants 123 N. Martin Luther King Jr. Blvd. Tulsa, Oklahoma 74103 918.584.5858, 800.364.5858



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Project No.: 2011331

Client Project No.: 2104760

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SYMBOLS, ABBREVIATIONS & SPECIAL INSPECTIONS

12/01/2020 Date: Designed: T. JOHNSON

Drawn: J. RICE Checked: C. JOHNSON

Phase: OTP

A. 2012 INTERNATIONAL BUILDING CODE

GENERAL NOTES

ASCE 7-10: MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES

ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES

ACI 318: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE

AISC 360: SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS

AISC MANUAL OF STEEL CONSTRUCTION

AISI 2007: SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS

H. AMERICAN WELDING SOCIETY, WELDING CODES

TMS 402/ACI 530/ASCE 6: BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES

NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION

OCCUPANCY CATEGORY

LIVE LOADS: FLOOR

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST) 115 MPH (ULTIMATE)

IMPORTANCE FACTOR, I EXPOSURE CATEGORY

INTERNAL PRESSURE COEFFICIENT, GCpi

DESIGN WIND PRESSURES (COMPONENTS & CLADDING)

			SURFACE PRESSURE (PSF)			
			10 SF AREA	20 SF AREA	50 SF AREA	
- 1	WALL ZONES	INTERIOR	+26.4 / -28.6	+25.2 / -27.4	+23.7 / -25.9	
	ZUNES	END	+26.4 / -35.2	+25.2 / -32.9	+23.7 / -29.8	
- 1	ROOF ZONES	INTERIOR	+16.0 / -28.9	+16.0 / -28.1	+16.0 / -27.2	
	ZUNES	END	+16.0 / -48.4	+16.0 / -43.3	+16.0 / -36.5	
		CORNER	+16.0 / -48.4	+16.0 / -43.3	+16.0 / -36.5	

(+) VALUES INDICATE PRESSURES TOWARDS THE BUILDING. (-) VALUES INDICATE PRESSURES AWAY FROM THE BUILDING. FOR SMALLER TRIBUTARY AREAS, LOADS WILL BE LARGER THAN SHOWN. CALCULATE PER CODE REQUIREMENTS. WIDTH OF END ZONES

ENVELOPE PROCEDURE FOR LOW-RISE BUILDINGS ANALYSIS PROCEDURE

SNOW LOADS

GROUND SNOW LOAD, Pg SNOW EXPOSURE FACTOR, C C. IMPORTANCE FACTOR. I

6. SEISMIC LOADS:

A. IMPORTANCE FACTOR,

 B. RISK CATEGORY MAPPEL SPECTRAL RESPONSE ACCELERATIONS S_S = 0.283

D. SITE CLASS E. DESIGN SPECTRAL RESPONSE ACCELERATIONS $S_{DS} = 0.226$ $S_{D1} = 0.154$

F. SEISMIC DESIGN CATEGORY G. BASIC SEISMIC FORCE RESISTING SYSTEM STEEL ORDINARY CANTILEVER COLUMN SYSTEM

H. DESIGN BASE SHEAR 0.181W SEISMIC RESPONSE COEFFICIENT $C_S = 0.181$ J. RESPONSE MODIFICATION FACTOR 1.25

K. ANALYSIS PROCEDURE EQUIVALENT LATERAL FORCE PROCEDURE

GENERAL REQUIREMENTS:

SPECIFICATIONS ARE PART OF THE CONSTRUCTION DOCUMENTS AND MUST BE USED IN CONJUNCTION WITH THE DRAWINGS. WHERE REQUIREMENTS INDICATED ON THE STRUCTURAL DRAWINGS DIFFER FROM THE SPECIFICATIONS,

VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BEGINNING WORK OR FABRICATING MATERIALS. NOTIFY A/E OF DISCREPANCIES BEFORE PROCEEDING WITH ANY PHASE OF WORK.

VERIFY WITH OTHER DISCIPLINE DRAWINGS THE LOCATION OF CHASES, INSERTS, OPENINGS, SLEEVES, FINISHES, DEPRESSIONS, PADS, AND WALL OPENINGS.

D. DO NOT SCALE DRAWINGS FOR THE PURPOSE OF ESTABLISHING DIMENSIONS.

DETAILS LABELED "TYPICAL DETAILS" ON DRAWINGS APPLY TO SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. SUCH DETAILS APPLY WHETHER OR NOT DETAILS ARE REFERENCED AT EACH LOCATION. NOTIFY A/E OF CONFLICTS REGARDING APPLICABILITY OF "TYPICAL DETAILS".

DO NOT LOAD THE SLAB-ON-GRADE OR SUPPORTED SLAB WITH ERECTION CRANES OR ERECTION EQUIPMENT. THE SLABS HAVE NOT BEEN DESIGNED FOR CRANE LOADS AND WILL REQUIRE AN INCREASE IN THICKNESS AND/OR REINFORCEMENT. SUBMIT FOR A/E REVIEW A PROPOSED CRANE SUPPORT PLAN FOR SLABS PRIOR TO COMMENCING WORK.

DO NOT STORE OR STACK CONSTRUCTION MATERIALS ON SUPPORTED SLABS, ELEVATED FLOORS, OR ROOFS IN EXCESS OF 80 PERCENT OF LIVE LOAD. GENERAL CONTRACTOR WILL BE RESPONSIBLE AND ENSURE THAT ALL SUB-CONTRACTORS ARE INFORMED AND DO NOT VIOLATE THIS IMPORTANT REQUIREMENT. AVOID IMPACT WHEN PLACING MATERIALS ON POURED OR ERECTED FLOORS OR ROOF.

THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS INDICATED OTHERWISE, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION. PROVIDE ALL MEASURES REQUIRED TO PROTECT THE STRUCTURE, WORKMEN. AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, FORMS AND SCAFFOLDING, SHORING OF RETAINING WALLS AND OTHER TEMPORARY SUPPORTS AS REQUIRED.

PRINCIPAL OPENINGS THROUGH THE FRAMING ARE SHOWN ON DRAWINGS. EXAMINE THE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR THE REQUIRED OPENINGS AND PROVIDE FOR REQUIRED OPENINGS WHETHER SHOWN ON THE STRUCTURAL DRAWINGS OR NOT. VERIFY SIZE AND LOCATION OF ALL OPENINGS WITH THE MECHANICAL CONTRACTOR. BRING ANY DEVIATION FROM THE OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS TO THE ENGINEER'S ATTENTION FOR APPROVAL

COORDINATE AND PROVIDE ALL MISCELLANEOUS FRAMING MEMBERS SHOWN ON THE ARCHITECTURAL DRAWINGS. THESE MEMBERS MAY NOT BE SHOWN ON THE STRUCTURAL DRAWINGS.

ARCHITECTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS AND SYSTEMS SHALL BE DESIGNED AND CONSTRUCTED TO RESIST SEISMIC FORCES AS DETERMINED IN CHAPTER 13 OF ASCE 7.

FOUNDATION NOTES

REFER TO THE GEOTECHNICAL REPORT AND SPECIFICATIONS FOR GENERAL REQUIREMENTS OF EARTHWORK, OVER EXCAVATION, SUBGRADE PREPARATION, FILL AND COMPACTION, WATERPROOFING AND OTHER PERTINENT REQUIREMENTS AND

FOUNDATION DESIGNS AND SUBGRADE PREPARATION ARE BASED UPON THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT NUMBER 18205118 BY TERRACON CONSULTANTS, INC., DATED AUGUST 31, 2020.

FOOTING DESIGNS ARE BASED ON AN ALLOWABLE SOIL BEARING PRESSURE OF 2500 PSF (FACTOR OF SAFETY = 3). THE ALLOWABLE SOIL BEARING PRESSURE MAY BE INCREASED BY ONE-THIRD WHEN CONSIDERING TOTAL LOADS, INCLUDING LOADS OF SHORT DURATION SUCH AS WIND FORCES. FOOTINGS SHALL BEAR IN SPECIFIED BEARING MATERIAL AS NOTED IN THE GEOTECHNICAL REPORT

CONTRACTOR AND TESTING LABORATORY REPRESENTATIVE SHALL READ THE GEOTECHNICAL REPORT AND BECOME THOROUGHLY FAMILIAR WITH SITE AND SUBGRADE INFORMATION. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT QUANTITIES OF CUT AND FILL FOR ESTIMATING AND CONSTRUCTION. SUBGRADE SHALL BE PREPARED AS NOTED IN THE GEOTECHNICAL REPORT.

ARRANGE FOR OWNER'S INDEPENDENT TESTING AGENCY TO MONITOR CUT AND FILL OPERATIONS, AND PERFORM FIELD DENSITY AND MOISTURE CONTENT TESTS TO VERIFY COMPACTION AND APPROVE FOOTING SUBGRADE PRIOR TO PLACING CONCRETE. CUT AND FILL OPERATIONS SHALL BE INSPECTED AND APPROVED BY A GEOTECHNICAL ENGINEER LICENSED IN THE

A QUALIFIED AND REGISTERED GEOTECHNICAL ENGINEER, LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED AND WORKING FOR THE TESTING LABORATORY, SHALL DETERMINE CONFORMANCE OF THE FOUNDATION BEARING STRATA WITH THE FOUNDATION DESIGN CRITERIA ABOVE, AND ALL OTHER CONTRACT DOCUMENTS, AND VERIFY SIZE, REINFORCING STEEL, THICKNESS, EMBEDMENT DEPTH, AND REMOVAL OF CUT MATERIAL. TESTING LABORATORY SHALL NOTIFY CONTRACTOR AND A/E

USE ONLY STRUCTURAL FILL MATERIAL AS NOTED IN THE GEOTECHNICAL REPORT FOR FILL BELOW THE BUILDING. EXTEND FILL AT LEAST FIVE FEET BEYOND THE BUILDING PERIMETER ON ALL SIDES. REFER TO THE GEOTECHNICAL REPORT FOR THE DEPTH OF THE STRUCTURAL FILL MATERIAL AND COMPACTION REQUIREMENTS.

OF ANY CONDITIONS NOT IN ACCORDANCE WITH FOUNDATION DESIGN CRITERIA OR CONTRACT DOCUMENTS.

MAINTAIN SUBGRADE AND FILL MOISTURE CONTENT UNTIL FOUNDATIONS ARE PLACED.

DO NOT PLACE GRADE BEAMS, WALLS, FOOTINGS OR SLABS AGAINST SUBGRADE CONTAINING FREE WATER, FROST, OR ICE.

MAINTAIN PROPER SITE DRAINAGE DURING CONSTRUCTION TO ENSURE SURFACE RUNOFF AWAY FROM STRUCTURES AND TO PREVENT PONDING OF SURFACE RUNOFF NEAR THE STRUCTURES.

KEEP OPEN EXCAVATIONS AROUND BUILDING DRY. BACKFILL AGAINST FOUNDATIONS AND GRADE BEAMS AS SOON AS PRACTICAL. PUMP WATER OUT OF OPEN EXCAVATIONS IF FLOODING OCCURS PRIOR TO BACKFILLING.

PROTECT PIPES AND CONDUITS RUNNING THRU WALLS AND SLABS WITH 1/2 INCH EXPANSION MATERIAL. LOWER CONTINUOUS FOOTINGS AND GRADE BEAMS PERPENDICULAR TO PIPE RUNS. TO ALLOW PIPES TO PASS ABOVE THE FOOTINGS OR THOUGH THE GRADE BEAMS. ALTERNATIVELY, PROVIDE A CONCRETE JACKET IF PIPES ARE LOW ENOUGH TO BE PLACED BELOW THE FOOTINGS AND GRADE BEAMS. LOWER FOOTINGS AND GRADE BEAMS PARALLEL TO PIPE RUNS TO AVOID SURCHARGE ONTO

13. PLACE FOUNDATIONS WITHIN 8 HOURS AFTER EXCAVATION. DO NOT LEAVE EXCAVATION OPEN OVERNIGHT.

AVOID DAMAGING EXISTING UNDERGROUND UTILITIES SUCH AS WATER MAINS, SANITARY SEWERS, BURIED CABLES, ETC., WHICH MIGHT EXTEND ACROSS OR ADJOING THE SITE.

15. REFER TO CIVIL DRAWINGS FOR LIMITS OF EXCAVATIONS.

CONCRETE NOTES

PROVIDE CONCRETE AS SHOWN BELOW. PROVIDE BATCH MIXING, TRANSPORTATION, PLACING AND CURING OF CONCRETE IN ACCORDANCE WITH RECOMMENDATIONS OF ACI 301, ACI 318 AND ASTM C94. USE TYPE I PORTLAND CEMENT UNLESS OTHERWISE NOTED. PROVIDE ADMIXTURES AND SPECIAL REQUIREMENTS AS SPECIFIED.

NORMAL WEIGHT (150 PCF), F'c = 3,000 PSI CONCRETE AT 28 DAYS

SLAB-ON-GRADE, GRADE BEAMS, FOOTINGS ALL CONCRETE NOT SPECIFICALLY COVERED

REFER TO THE SPECIFICATIONS FOR MAXIMUM WATER/CEMENT RATIOS. MINIMUM CEMENT CONTENTS AND OTHER MIX DESIGN REQUIREMENTS. PROVIDE CONCRETE MIXES DESIGNED BY A QUALIFIED TESTING LABORATORY FOR REVIEW AND APPROVAL BY THE STRUCTURAL ENGINEER.

PROVIDE CONSTRUCTION AND CONTROL JOINTS AS INDICATED ON THE DRAWINGS. HORIZONTAL CONSTRUCTION JOINTS ARE NOT ALLOWED UNLESS SPECIFICALLY NOTED OR APPROVED BY THE STRUCTURAL ENGINEER. NOTIFY THE STRUCTURAL ENGINEER OF PROPOSED CONSTRUCTION JOINT OR CONTROL JOINT LOCATIONS WHICH ARE DIFFERENT OR IN ADDITION TO JOINTS INDICATED ON THE DRAWINGS. PROVIDE 6,000-SQUARE FOOT MAXIMUM AREA OF CONCRETE PLACEMENT IN THE SLAB BETWEEN CONSTRUCTION JOINTS. PROVIDE 75-FOOT MAXIMUM SPACING OF CONSTRUCTION JOINTS IN GRADE BEAMS. PROVIDE GRADE BEAM CONSTRUCTION JOINTS IN MIDDLE 1/3 OF THE SPAN. WHEN A BEAM INTERSECTS A GIRDER WITHIN THE MIDDLE 1/3 OF THE GIRDER'S SPAN, OFFSET THE JOINT IN THE GIRDER A DISTANCE EQUAL TO TWICE THE WIDTH OF THE BEAM.

WHERE DOWELS ARE SHOWN ON THE DRAWINGS, BUT NOT SIZED, PROVIDE DOWELS THAT MATCH SIZE AND LCOATION OF MAIN REINFORCING STEEL AND LAP SPLICE WITH THE MAIN REINFORCING STEEL. REINFORCING BARS SHALL BE SPLICED AS NOTED IN THE REINFORCING LAP SCHEDULE.

5. CHAMFER EXPOSED EDGES 3/4 INCH UNLESS OTHERWISE NOTED.

WIRE BRUSH AND CLEAN CONSTRUCTION JOINTS PRIOR TO POURING NEW CONCRETE.

REFERENCE THE APPROPRIATE DISCIPLINE'S DRAWINGS FOR SUB SLAB PIPING, FLOOR DRAINS, AND SLAB AND WALL PENETRATIONS.

PROVIDE ADEQUATE STRUCTURAL FRAMING AS APPROVED BY THE STRUCTURAL ENGINEER FOR MECHANICAL OPENINGS THROUGH THE SLABS, WALLS, AND FLOOR DECK. OPENINGS ARE NOT PERMITTED THROUGH BEAMS UNLESS SPECIFICALLY

FOR PIPE INSTALLED HORIZONTALLY WITHIN SLABS, UNLESS SPECIFICALLY INDICATED IN THE STRUCTURAL DRAWINGS OR APPROVED BY THE STRUCTURAL ENGINEER. FOR PIPES INSTALLED HORIZONTALLY WITHIN THE SLAB, PROVIDE MAXIMUM OUTSIDE DIAMETER OF 30 PERCENT OF THE SLAB THICKNESS. PLACE CONDUIT OR PIPE BETWEEN THE TOP AND BOTTOM LAYERS OF REINFORCEMENT WITHIN THE CENTER THIRD OF THE SLAB. DO NOT SPACE CONDUITS OR PIPES CLOSER THAN 3 DIAMETERS

REINFORCING STEEL NOTES

PROVIDE DETAILING, FABRICATION, AND INSTALLATION OF REINFORCING AND ACCESSORIES IN ACCORDANCE WITH ACI 315 AND

COORDINATE PLACEMENT OF CAST-IN-PLACE EMBEDS AND ANCHOR RODS. SET ANCHOR RODS WITH A TEMPLATE. SECURELY ATTACH EMBED ITEMS TO FORMWORK OR REINFORCING.

PROVIDE CLASS "B" REINFORCEMENT SPLICES FOR CONTINUOUS REINFORCEMENT. PROVIDE STANDARD 90-DEGREE HOOKS IN ACCORDANCE WITH ACI 318, UNLESS OTHERWISE NOTED. STAGGER SPLICES UNLESS SPECIFICALLY NOTED.

MAINTAIN THE FOLLOWING CONCRETE COVERAGE FOR REINFORCING STEEL UNLESS OTHERWISE NOTED:

A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH - 3 INCHES

CONCRETE EXPOSED TO WEATHER

a. NO. 6 AND LARGER - 2 INCHES b. NO. 5 AND SMALLER - 1-1/2 INCHES

CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND

a. SLABS AND WALLS NO. 14 AND NO. 18 - 1-1/2 INCHES NO. 11 AND SMALLER - 3/4 INCH b. BEAM STIRRUPS - 1-1/2 INCHES

DO NOT WELD OR BEND REINFORCEMENT IN THE FIELD UNLESS SPECIFICALLY SHOWN OR APPROVED BY STRUCTURAL

AND CONNECTIONS IN REINFORCED CONCRETE CONSTRUCTION", AMERICAN WELDING SOCIETY, AWS D1.4.

WHEN SPECIFICALLY APPROVED, PROVIDE WELDED REINFORCEMENT IN ACCORDANCE WITH ASTM A706. USE LOW HYDROGEN ELECTRODES FOR WELDING OF REINFORCEMENT IN CONFORMANCE WITH "WELDING REINFORCEMENT STEEL, METAL INSERTS

PROVIDE CONTINUOUS HORIZONTAL WALL REINFORCEMENT WITH 90-DEGREE BENDS AND EXTENSIONS AT CORNERS AND INTERSECTIONS AS SHOWN ON TYPICAL BAR PLACING DETAILS.

PROVIDE BAR SUPPORT ACCESSORIES IN ACCORDANCE WITH THE LATEST ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES. SUPPORT BEAM REINFORCING ON BEAM BOLSTERS SPACED NOT MORE THAN 4 FEET ON

PROVIDE BAR SUPPORTS WITH PLASTIC COATED LEGS OR HOT DIP GALVANIZING AFTER FABRICATION FOR CONCRETE EXPOSED TO VIEW. PROVIDE STAINLESS STEEL BAR SUPPORTS FOR CONCRETE TO RECEIVE A SANDBLAST FINISH.

POST-INSTALLED ANCHOR NOTES

ANCHORS INSTALLED IN HARDENED CONCRETE TO BE USED ONLY WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS CONTRACTOR SHALL OBTAIN APPROVAL FROM THE A/E PRIOR TO INSTALLING POST-INSTALLED ANCHORS IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. PLACE POST-INSTALLED ANCHORS SUCH THAT THEY AVOID CONFLICTING WITH EXISTING REBAR. WHERE INDICATED, PROVIDE THE FOLLOWING POST-INSTALLED ANCHOR:

A. EPOXY ADHESIVE ANCHORS: HILTI HIT-HY 200 SYSTEM FOR ANCHORAGE TO CONCRETE

ALLOWABLE ANCHOR SUBSTITUTIONS SHALL BE SUBMITTED TO THE A/E WITH INFORMATION DEMONSTRATING THAT THE ANCHOR SUBSTITUTION PROVIDES EQUAL OR GREATER PERFORMANCE VALUES.

INSTALL ANCHORS IN ACCORDANCE WITH THE CURRENT ICBO REPORT FOR THE ANCHORS AND THE MANUFACTURER'S RECOMMENDATIONS. ALL ANCHORS SHALL BE INSTALLED BY A MANUFACTURER CERTIFIED INSTALLER.

INSTALL ANCHORS PERPENDICULAR TO THE FACE OF THE CONCRETE. DEVIATION FROM PERPENDICULAR GREATER THAN 10 DEGREES IS UNACCEPTABLE.

CREATE A TEMPLATE AT EACH ANCHOR CONNECTION LOCATION PRIOR TO FABRICATING HOLES IN CONNECTION PLATES, MAKE TEMPLATE BY LOCATING EXISTING REBAR WITH THE HELP OF A PACHOMETER. REPOSITION ANCHORS A MAXIMUM OF 1 1/2 INCHES AS REQUIRED TO AVOID CONFLICTS WITH EXISTING REINFORCEMENT.

FILL ALL ABANDONED HOLES WITH EPOXY GROUT.

PROVIDE HOLES IN CONNECTION PLATES NO MORE THAN 1/16 OF AN INCH LARGER THAN THE ANCHOR DIAMETER. IF LARGER HOLES ARE NEEDED FOR ERECTION PURPOSES, PROVIDE PLATE WASHERS WELDED TO THE CONNECTION PLATE TO TRANSFER

CLEAN DRILLED HOLES FREE OF DEBRIS/DUST AND INSPECT PRIOR TO APPLYING EPOXY AND INSTALLING ANCHORS.

STRUCTURAL STEEL NOTES

PROVIDE STRUCTURAL STEEL OF THE FOLLOWING ASTM DESIGNATIONS UNLESS OTHERWISE NOTED:

A. STRUCTURAL STEEL WIDE FLANGE AND WT SHAPES - ASTM A 992 (GRADE 50)

B. STRUCTURAL STEEL STANDARD SHAPES, CHANNELS AND ANGLES - ASTM A 36

EDGE ANGLES, BENT PLATES, HANGER AND BRACES - ASTM A 36

STRUCTURAL PIPE - ASTM A 53, GRADE B

E. STRUCTURAL TUBING (SQUARE OR RECTANGULAR) - ASTM A 500, GRADE C

F. BASE PLATES AND MISCELLANEOUS STEEL PLATES - ASTM A 36

CONNECTION MATERIALS:

BEAM COLUMN STIFFENER PLATES AND DOUBLER PLATES TO MATCH THE GRADE STEEL OF STRUCTURAL

ALL CONNECTION MATERIALS. EXCEPT AS OTHERWISE NOTED HEREIN OR IN THE DRAWINGS. INCLUDING BEARING PLATES, GUSSET PLATES, STIFFENER PLATES, ANGLES, ETC. - ASTM A 36

HIGH STRENGTH BOLTS - ASTM A 325 OR ASTM F1852

HARDENED STEEL WASHERS - ASTM F 436

ANCHOR RODS - ASTM F1554, GRADE 55

HEAVY HEX NUTS - ASTM A 563

HEADED STUD ANCHORS TO CONFORM TO THE REQUIREMENTS OF ASTM A 29/A 29M, AWS D1.1, AND SECTION A3.6 OF AISC 360 SPECIFICATION.

WELD MINIMUM SIZE AND STRENGTH

PROVIDE MINIMUM SIZE OF FILLET WELDS AS SPECIFIED IN TABLE J2.4 OF THE AISC MANUAL. USE 1/4 INCH FILLET WELD UNI ESS NOTED OTHERWISE

PROVIDE MINIMUM EFFECTIVE THROAT THICKNESS OF PARTIAL PENETRATION GROOVE WELDS AS SPECIFIED IN TABLE

DEVELOP THE FULL TENSILE STRENGTH OF THE MEMBER ELEMENT JOINED ON ALL SHOP AND FIELD WELDS UNLESS

WHERE CONNECTIONS ARE NOTED ON DRAWINGS AS MOMENT CONNECTIONS, PROVIDE WELDS TO DEVELOP FULL FLEXURAL CAPACITY OF THE LESSER MEMBER.

PROVIDE ELECTRODES FOR FIELD OR SHOP WELDING THAT CONFORM TO AWS D1.1 CLASS E70XX.

PROVIDE MINIMUM OF TWO BOLTS PER CONNECTION. MINIMUM BOLT DIAMETER TO BE 3/4 INCH. PROVIDE BOLTS, NUTS AND WASHERS THAT ARE HOT DIP GALVANIZED ACCORDING TO ASTM A 153, CLASS C WHEN USED TO

CONNECT STEEL ELEMENTS THAT ARE HOT DIP GALVANIZED AFTER FABRICATION. PROVIDE SIMPLE SHEAR CONNECTIONS FOR STEEL CONNECTIONS NOT OTHERWISE SPECIFIED UTILIZING HIGH STRENGTH

BEARING BOLTS IN SINGLE OR DOUBLE SHEAR. PROVIDE DOUBLE ANGLE OR SINGLE PLATE SHEAR TAB BOLTED CONNECTIONS. A. UNLESS LARGER REACTION IS SHOWN ON DRAWINGS, PROVIDE MINIMUM DESIGN FORCES AS FOLLOWS:

NONCOMPOSITE BEAMS: BEAM-TO-BEAM OR BEAM-TO-COLUMN CONNECTION TO DEVELOP THE REACTION OF CONNECTED BEAM. OBTAIN END REACTION FROM UNIFORM LOAD TABLES OF THE AISC MANUAL OF STEEL CONSTRUCTION. PROVIDE MINIMUM SHEAR CAPACITY OF 12,000 POUNDS FOR BEAMS 8 INCHES AND 10 INCHES DEEP. PROVIDE MINIMUM SHEAR CAPACITY OF 8,000 POUNDS FOR BEAMS LESS THAN 8 INCHES DEEP.

ADD TO REACTIONS LISTED ABOVE LOADS OR REACTIONS OF MEMBERS SUPPORTED BY BEAM WITHIN THREE FEET OF BEAM END AND VERTICAL COMPONENTS OF FORCES IN BRACE MEMBERS FRAMING INTO BEAM.

STEEL FABRICATION

FABRICATE AND ASSEMBLE STRUCTURAL MEMBERS/ASSEMBLIES IN SHOP TO GREATEST EXTENT POSSIBLE.

CAMBER OF STRUCTURAL STEEL MEMBERS IS INDICATED ON THE DRAWINGS. WHERE POSSIBLE, CAMBER OF BEAMS TO BE APPLIED BY COLD BEND PROCESS. CAMBER INDICATED ON DRAWINGS ARE INTENDED TO BE FINAL CAMBER AT TIME OF ERECTION, AND WITHIN A TOLERANCE OF MINUS ZERO TO PLUS 1/8 INCH FOR EACH TEN FEET OF MEMBER LENGTH.

SPLICING OF STRUCTURAL STEEL MEMBERS IS PROHIBITED WITHOUT PRIOR APPROVAL BY THE A/E.

STEEL FABRICATOR SHALL BE RESPONSIBLE FOR ALL ERRORS OF DETAILING ON THE SHOP DRAWINGS, ERRORS IN FABRICATION, AND THE CORRECT FITTING OF STRUCTURAL STEEL MEMBERS.

CONFORM TO THE AISC CODE OF STANDARD PRACTICE, FOR ERECTION TOLERANCES. FIELD MODIFICATION TO STRUCTURAL STEEL IS PROHIBITED WITHOUT PRIOR APPROVAL BY THE A/E.

CLEAN STEEL OF RUST, LOOSE MILL SCALE AND OTHER FOREIGN MATERIALS WHERE REQUIRED FOR FABRICATION, FITTING UP,

DO NOT CUT STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES WITHOUT PRIOR REVIEW AND APPROVAL OF THE 10. AFTER FABRICATION, HOT DIP GALVANIZE STRUCTURAL STEEL AND THEIR CONNECTIONS PERMANENTLY EXPOSED TO THE

OUTSIDE. SUCH ITEMS INCLUDE BUT ARE NOT LIMITED TO: SHELF ANGLES

PARAPET WALL SUPPORTING MEMBERS SCREEN WALL SUPPORTING MEMBERS

EMBEDDED PLATES IN CONCRETE BUILDING CLADDING SUPPORT STEEL

ELEMENTS TO THE COLUMNS IS PROHIBITED.

ALL OTHER STEEL MEMBERS EXPOSED TO WEATHER

11. EXAMINE THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR OTHER ITEMS THAT REQUIRE HOT DIPPED GALVANIZATION.

PROVIDE NON-SHRINK/NON-METALLIC GROUT FOR BASE PLATES WITH MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 8000 PSI.

13. SUBMIT CALCULATIONS FOR CONNECTION DESIGNS NOT DETAILED ON DRAWINGS. DESIGN CONNECTIONS UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.

THE STRUCTURAL STEEL FABRICATOR MUST FURNISH STEEL SHOP DRAWINGS FOR ARCHITECT'S AND STRUCTURAL ENGINEER'S REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS MUST INCLUDE WELDING PROCEDURES, TESTING PROGRAMS FOR WELDING AND HIGH STRENGTH BOLTING, COATING MATERIAL, AND ERECTION SEQUENCE ON SHOP DRAWINGS. 15. MILL STEEL COLUMN ENDS TO FIT FLUSH WITH BASE PLATE, CAP PLATE, AND END PLATES. FIELD ASSEMBLY OF THESE STEEL

BE RESPONSIBLE FOR ANY TEMPORARY SHORING OR BRACING DURING CONSTRUCTION PHASE PRIOR TO COMPLETING CONNECTIONS AND POURING FLOOR SLABS.

WOOD FRAMING NOTES

WOOD FRAMING SHALL MEET THE FOLLOWING MINIMUM STRESS PROPERTIES UNLESS NOTED OTHERWISE:

	MEMBER SIZE	BENDING F _b (PSI)	TENSION PARALLEL TO GRAIN Ft (PSI)	SHEAR PARALLEL TO GRAIN F _v (PSI)	COMPRESSION PERPENDICULAR TO GRAIN F _c (PSI)	COMPRESSION PARALLEL TO GRAIN F _c (PSI)	ELASTIC MODULUS E (PSI)
SOUTHERN PINE #2 OR	2x6	1,000	600	175	565	1,400	1,400,000
BETTER	2x10	800	475	175	565	1,300	1,400,000
	2x12	750	450	175	565	1,250	1,400,000
ROSBORO GLULAM X-BEAM	SEE DWGS	2,400	-	265	650	-	1,800,000

PROVIDE SIMPSON STRONG-TIE CONNECTORS OR EQUIVALENT FOR WOOD FRAMING CONNECTIONS TO SUPPORTING MEMBERS. USE STRONG-TIE CONNECTORS AND NAILS OF APPROPRIATE SIZE AND CAPACITY FOR THE SUPPORTED MEMBER AND INSTALL ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

ALL ROOF AND EXTERIOR WALL SHEATHING SHALL BE APA RATED CDX PLYWOOD WITH EXTERIOR GLUE (EXPOSURE 1) OR ORIENTED STRAND BOARD (OSB) WITH EXTERIOR GLUE (EXPOSURE 1), AND SHALL BEAR THE STAMP OF AN APPROVED TESTING

INSTALL ROOF SHEATHING WITH THE LONG DIMENSION OF THE PANEL PERPENDICULAR TO SUPPORTS UNLESS NOTED OTHERWISE, AND WITH PANEL CONTIUOUS OVER TWO OR MORE SPANS. STAGGER END JOINTS.

ALL ROOF SHEATHING SHALL BE APA RATED EXPOSURE 1 CDX PLYWOOD SHEATHING WITH A MINIMUM THICKNESS OF 5/8 INCH. DOC PS-1 OR PS-2, WITH A SPAN RATING OF AT LEAST 32/16 NAILED WITH 10d GALVANIZED COMMON NAILS AT 4 INCHES ON CENTER AT PANEL EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS. 10d NAILS SHALL HAVE A MINIMUM 0.148 INCH DIAMETER AND 1 1/2 INCHMINIMUM PENETRATION INTO SUPPORTING FRAMING.

OUTSIDE OF EXTERIOR WALLS SHALL BE SHEATHED WITH APA RATED EXPOSURE 1 OSB OR CDX PLYWOOD SHEATHING WITH A /INIMUM THICKNESS OF 5/8 INCH. DOC PS-1 OR PS-2. AND FASTENED TO WALL STUDS WITH 10d GALVANIZED COMMON NAILS AT 6 NCHES ON CENTER AT EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS. PROVIDE BLOCKING AT UNSUPPORTED PANEL EDGES. 10d NAILS SHALL HAVE A MINIMUM OF 0.148 INCH DIAMETER AND 1 1/2 INCH MINIMUM PENETRATION INTO SUPPORTING FRAMING.

INSTALL JOISTS, RAFTERS, HEADERS AND BEAMS "CROWN UP."

ALL JOISTS SHALL HAVE DIAGONAL BRIDGING OR FULL DEPTH BLOCKING AT 8 FEET ON CENTER MAXIMUM ALONG THE SPAN AND AT SUPPORTING BEAMS OR WALLS.

CUTTING, BORING OR NOTCHING OF FRAMING MEMBERS, IF REQUIRED, SHALL CONFORM TO THE LIMITATIONS PRESCRIBED BY THE IBC AND MAY BE DISALLOWED FOR SOME FRAMING MEMBERS BY THE A/E.

10. ALL WOOD IN CONTACT WITH CONCRETE AND EXTERIOR MASONRY SHALL BE PRESSURE TREATED.

REFER TO THE IBC FOR MINIMUM FASTENING CRITERIA. ALL NAILS TO BE COMMON WIRE SIZE. NAILING SHALL COMPLY WITH REQUIREMENTS OF NAILING SCHEDULE UNLESS NOTED OTHERWISE.

MOISTURE CONTENT OF ALL WOOD MEMBERS SHALL NOT EXCEED 19%.

ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, ETC.

BUILDING OFFICIAL IN THE CONSTRUCTION SCHEDULE.

PRE-ENGINEERED TRUSS NOTES

ALL TRUSSES CALLED OUT IN THE DRAWINGS SHALL BE PRE-ENGINEERED, MANUFACTURED TRUSSES. TRUSSES SHALL CONFORM TO THE SPACING, DIMENSIONS AND LAYOUTS CALLED OUT IN THESE NOTES AND ON THE PLANS AND SHALL BE

MAXIMUM LIVE LOAD DEFLECTION FOR TRUSSES NOT TO EXCEED L/360. MAXIMUM TOTAL LOAD DEFLECTION NOT TO EXCEED L/240 OR 3/4 INCH, WHICHEVER IS GREATER.

TRUSSES AND CONNECTOR PLATES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST REVISION OF THE TRUSS PLATE

INSTITUDE SPECIFICATIONS, TRUSS MANUFACTURER SHALL DESIGN THE TRUSS TO WALL CONNECTIONS, U.N.O. ON THE DETAILS. PROVIDE FRAMING ANCHORS AND/OR TRUSS HANGERS AS REQUIRED AND AS SHOWN ON THE DRAWINGS. PROVIDE TRUSS SHOP DRAWINGS, INSTALLATION DRAWINGS, AND CALCULATIONS PREPARED BY THE TRUSS MANUFACTURER IN

PERMIT TRUSSES TO DROP, SAG, OR BE SUPPORTED IN A DIRECTION PERPENDICULAR TO THE TRUSS PLANE. INSTALL TRUSSES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. INCLUDING PROPER HANDLING. SAFETY PRECAUTIONS. TEMPORARY BRACING DURING ERECTION AND ALL OTHER SAFEGUARDS.

CONTINUOUSLY BRACE AND SUPPORT TRUSSES DURING UNLOADING TO PREVENT EXCESSIVE STRESS ON THE JOINTS. DO NOT

INSTALL ALL PERMANENT CHORD BRACING REQUIRED BY TRUSS SHOP DRAWINGS (TYPICALLY 3 ROWS OF 2x4 - FULL LENGTH OF INSPECT ALL TRUSSES AFTER INSTALLATION FOR DAMAGE. NOTIFY A/E IMMEDIATELY OF DAMAGED TRUSSES, REMOVE AND

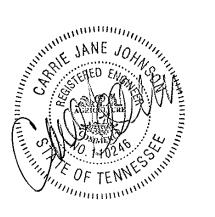
REPLACE ALL DAMAGED TRUSSES. TRUSSES ARE A DEFERRED SUBMITTAL ITEM AND CONTRACTOR IS REQUIRED TO COMPLETE THE FOLLOWING:

FIRST, THE TRUSS PLANS AND CALCULATIONS, SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED. SHALL BE SUBMITTED TO THE A/E FOR REVIEW BEFORE SUBMITTING TO THE BUILDING DEPARTMENT. SECOND, THE SHOP DRAWINGS SHALL BE SUBMITTED WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED BY THE A/E AND HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE TO THE BUILDING DESIGN. THE TRUSS DESIGN SHALL BE APPROVED BY THE BUILDING DEPARTMENT BEFORE THE TRUSSES ARE FABRICATED. GENERAL CONTRACTOR SHOULD PLAN FOR REVIEW TIME BY BOTH THE A/E AND



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2020.11.25 13:30:19-06'00

DESCRIPTION DATE



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Project No.: 2011331

Client Project No.: 2104760

GENERAL NOTES

12/01/2020 Designed: T. JOHNSON Drawn: J. RICE Checked: C. JOHNSON

PLAN NOTES

REFER TO SHEET S0.1 FOR GENERAL NOTES.

2. TOP OF STRUCTURAL SLAB ELEVATION CORRESPONDS TO ARCHITECTURAL FINISH FLOOR

3. C.J. INDICATES CONTROL JOINT. RE: A4/S5.1 FOR DETAILS.

4. PROVIDE 10 MIL POLYETHYLENE VAPOR BARRIOR IMMEDIATELY BELOW SLAB-ON-GRADE.

5. REFER TO THE GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION.

6. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS AND SIZES OF ALL WALLS AND WALL

COORDINATE ALL SLAB PENETRATIONS WITH ARCHITECTURAL AND MECHANICAL / ELECTRICAL /

8. AT CONDUIT PENETRATIONS AT GRADE BEAMS, PROVIDE ADDITIONAL (2) #5 REBAR 3" ABOVE AND BELOW CONDUIT.

9. RE: A3/S5.2 FOR NON-LOAD BEARING PARTITION WALL CONNECTION TO SLAB.

10. COORDINATE ALL EXTERIOR WALL STUD LOCATIONS WITH PRE-MANUFACTURED WOOD TRUSSES. A STUD IS REQUIRED TO BE LOCATE BELOW CENTERLINE OF EACH TRUSS U.N.O. ON ROOF FRAMING PLAN. LOCATE ANCHOR BOLTS TO AVOID STUDS/POSTS.

11. ALL EXTERIOR WALL STUDS ARE 2x6 STUDS SPACED AT 12" O.C. MAX., U.N.O. REFER TO ARCHITECTURAL DRAWINGS FOR INTERIOR WALL STUD SIZES AND SPACING.

12. RE: S5.2 FOR STEEL COLUMN BASE PLATE AND ANCHOR ROD SIZES AND DETAILS.

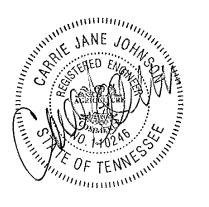
KEYNOTES

- 5" CONCRETE SLAB ON GRADE W/ #4 @ 18" O.C. EACH WAY.
- 8" WIDE x 4" TALL BRICK LEDGE, TYPICAL AROUND PERIMETER. OMIT AT DOORS. (3) 2x6 STUD PACK. RE: A5/S5.2 FOR NAILING DETAILS.
- HSS 16x4x5/16 COLUMN.
- HSS 5-1/2x5-1/2x5/16 COLUMN.
- PROVIDE 2% SLOPE AWAY FROM BUILDING AT TOP OF EXTERIOR SLAB-ON-GRADE.
- TYPICAL CORNER STUD PACK. RE: A4/S5.2 FOR DETAIL.
- HEADER SUPPORT STUDS. RE: C2/S5.2 AND A1/S5.2 FOR FRAMING DETAILS.



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BLVD HICKORY



Project No.: 2011331

Client Project No.: 2104760

FOUNDATION PLAN

Checked: C. JOHNSON

PLAN NOTES

1. REFER TO SHEET S0.1 FOR GENERAL NOTES.

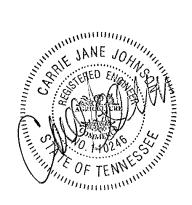
- 2. COORDINATE LOCATIONS OF ALL WALLS AND WALL OPENINGS WITH ARCHITECTURAL DRAWINGS.
- 3. REFER TO MECHANICAL DRAWINGS FOR RTU DETAILS. REF C3/S5.2 FOR CURB ATTACHMENT.
- 4. RE: B3/S5.2 FOR DIAPER CHANGING STATION DETAIL.
- 5. PROVIDE STUD PACK WITH HOLDDOWN AT ALL BUILDING CORNERS. SEE A4/S5.2 FOR DETAILS.
- 6. ALL NAILING SHALL CONFORM TO IBC TABLE 2304.10.1, U.N.O.
- 7. RE: C1/S5.2 FOR TYPICAL TOP PLATE SPLICE DETAIL AT ALL EXTERIOR WALLS.
- 8. RE: B4 & B5/S5.2 FOR TYPICAL CUTTING, NOTCHING, AND BORING OF WOOD STUDS.
- PROVIDE 2x SOLID BLOCKING IN WALLS AS REQUIRED FOR REINFORCEMENT OF ALL GRAB BARS, RESTROOM FIXTURES, PLUMBING LINES, WALL BUMPERS, ETC. SEE ARCHITECTURAL AND KITCHEN INTERIOR ELEVATIONS FOR EQUIPMENT HEIGHTS AND LOCATIONS. SEE ARCHITECTURAL BUILDING AND WALL SECTIONS FOR LOCATIONS FOR ADDITIONAL BLOCKING REQUIREMENTS.
- 10. PROVIDE 2x6 SOLID BLOCKING BETWEEN WALL STUDS AT 4'-0" O.C.
- PRE-MANUFACTURED ROOF WOOD TRUSSES TO BE SPACED AT 2'-0" ON CENTER, U.N.O. RE: S5.7 FOR TRUSS DIAGRAMS AND LOADING CRITERIA. DOUBLE TRUSSES UNDER MECHANICAL UNITS AND WHERE SHOWN ON PLAN.
- 12. REFER TO GENERAL NOTES FOR ROOF DECKING AND NAILING PATTERN.

KEYNOTES

- EXTERIOR CANOPY BELOW, RE: S5.9 FOR ENLARGED FRAMING PLAN. HSS10x4x5/16 BEAM.
- EXTERIOR SUNSHADE, RE: S5.9 FOR ENLARGED FRAMING PLAN.
- HIGH ROOF ABOVE, RE: S5.9 FOR ENLARGED FRAMING PLAN.
- ROOF HATCH, RE: ARCH. 5-1/2"x15" 24F-V4 GLULAM X-BEAM.
- EXHAUST FAN OPENING IN ROOF DECK. RE: MECH. FOR SIZE SHIFT LOCATION ACCORDINGLY TO AVOID ROOF FRAMING.
- (2) 2x6 BTW, ROOF TRUSSES.
- RTU 1, RE: MECH, MAX. WEIGHT = 1,500 LBS. RTU 2, RE: MECH, MAX. WEIGHT = 1,500 LBS.
- RTU 3, RE: MECH, MAX. WEIGHT = 2,800 LBS.
- ROOF TOP SCREENWALL. RE: S5.6 FOR STRUCTURAL DETAILS. RE: ARCH. FOR FINISHES AN CLADDING. 30" DEEP PRE-MANUFACTURED WOOD ROOF TRUSS, RE: TRUSS DIAGRAM ON S5.7 FOR DETAILS.
- (2) 30" DEEP PRE-MANUFACTURED SHORT WOOD ROOF TRUSSES, BACK-TO-BACK, RE: TRUSS DÍAGRAM ON S5.7 FOR DETAILS.
- (2) 30" DEEP PRE-MANUFACTURED WOOD ROOF TRUSSES, BACK-TO-BACK, RE: TRUSS DIAGRAM ON S5.7 FOR DETAILS.

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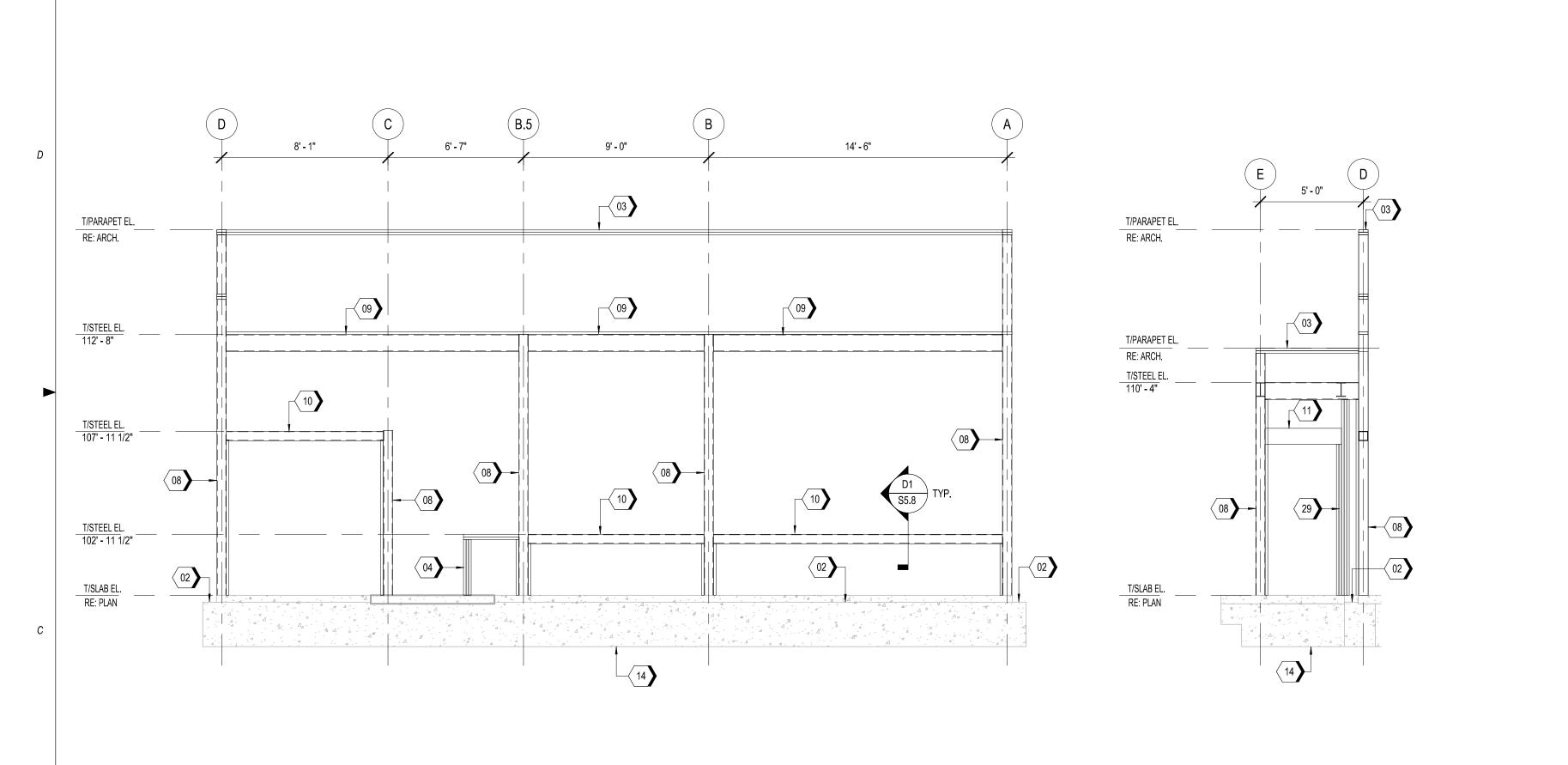
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Client Project No.: 2104760

ROOF FRAMING PLAN

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ROOF FRAMING PLAN



12' - 0"

10' - 8"

14

C3 PLAN NORTH FRAMING ELEVATION

1/4" = 1'-0"

14

13' - 8"

7' - 7"

12' - 1"

KEYNOTES

02 8" WIDE x 4" TALL BRICK LEDGE, TYPICAL AROUND PERIMETER. OMIT AT DOORS.
03 DOUBLE 2x6 TOP PLATE.
04 (3) 2x6 STUD PACK. RE: A5/S5.2 FOR NAILING DETAILS.
06 HSS 16x4x5/16 COLUMN.

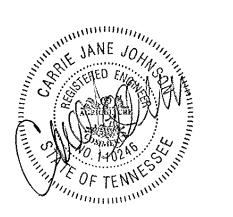
08 HSS5 1/2x5 1/2x5/16 COLUMN. 09 HSS 10x4x5/16 BEAM. 10 HSS5 1/2x5 1/2x5/16 BEAM.

11 HDR1, RE: C2/S5.2. 14 GRADE BEAM. REFER FOUNDATION PLAN FOR DETAILS.

TYPICAL CORNER STUD PACK. RE: A4/S5.2 FOR DETAIL. HEADER SUPPORT STUDS. RE: C2/S5.2 AND A1/S5.2 FOR FRAMING DETAILS. HSS6x6x1/4 BEAM.

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FRAMING ELEVATIONS

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PLAN SOUTH FRAMING ELEVATION

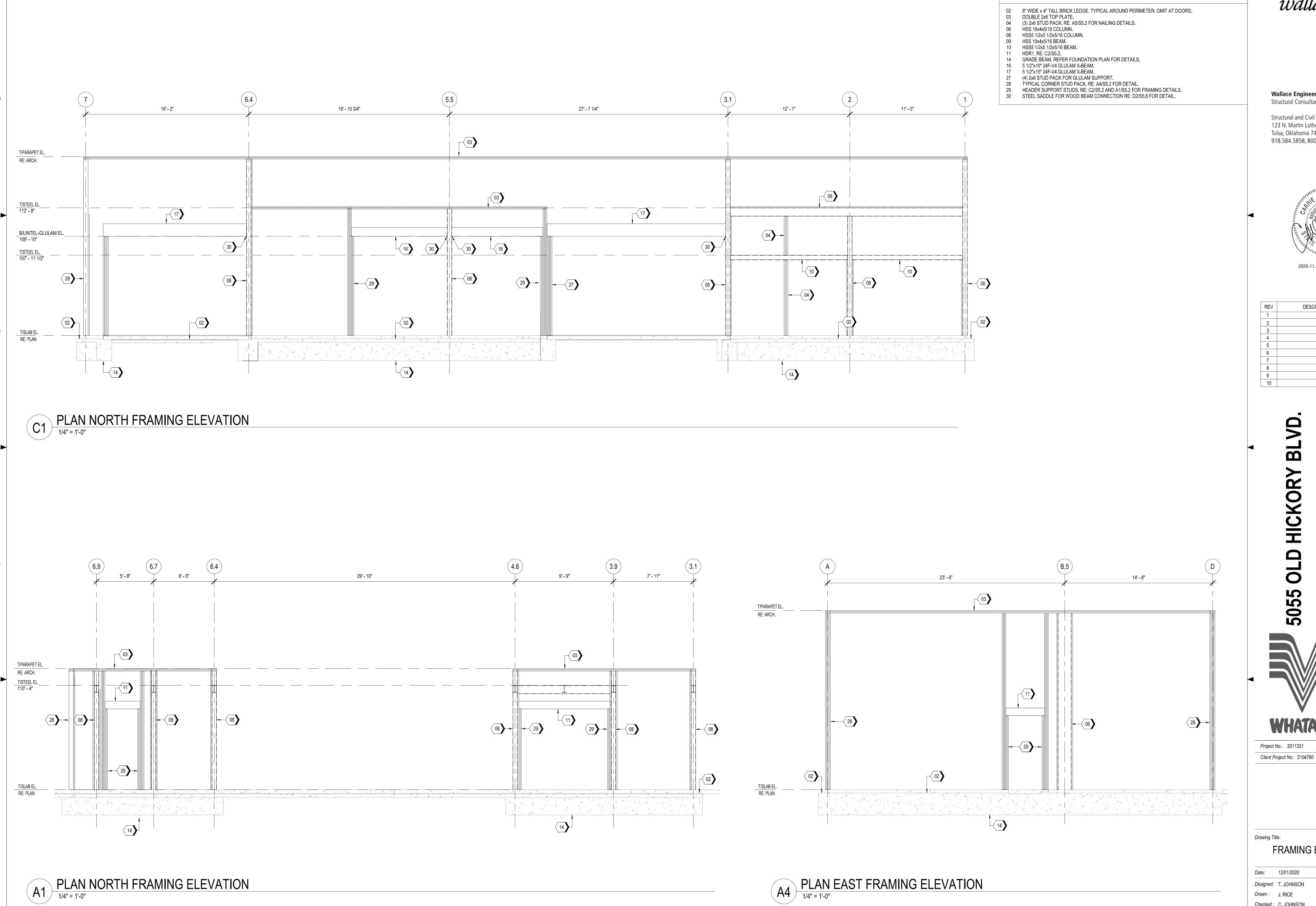
1/4" = 1'-0"

PLAN WEST FRAMING ELEVATION

1/4" = 1'-0"

T/PARAPET EL.

RE: ARCH.





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KEYNOTES

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BLVD 5055 OLD HICKORY



Project No.: 2011331

FRAMING ELEVATIONS

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